

<b>Module Number: AR3S1L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.8997	6.5949	183.9965	35.3954	8.7613	Hotspot formed over the cells or burn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2956	4.8716	123.2299	32.6422	6.5294	
Difference	1.1003	0.8251	31.0035	0.6046	-0.4613	
Percentage Degradation	3.7941	11.1196	14.4202	1.6795	-5.558	
<b>Module Number: AR3S1L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.6472	6.158	176.4086	35.4203	7.5194	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7727	4.628	119.2764	32.4585	5.7052	
Difference	0.3528	1.262	38.5914	0.5797	0.7806	
Percentage Degradation	1.2164	17.0086	17.9495	1.6103	9.4052	

Module Number: AR3S3L2L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.6611	5.9978	177.9012	35.4714	7.5775	Hotspot formed over the cells or burned
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.9759	4.5927	123.8912	32.7953	5.8523	
Difference	-0.6611	1.4222	37.0988	0.5286	0.7225	
Percentage Degradation	-2.2797	19.1672	17.2553	1.4684	8.7052	
Module Number: AR3S7L2M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7577	6.3521	176.3188	34.4413	7.7795	Hotspot formed over the cells or cell pe
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1659	5.2877	138.3571	32.7953	6.5113	
Difference	1.2423	1.0679	38.6812	1.5587	0.5205	
Percentage Degradation	4.2837	14.3927	17.9913	4.3298	6.2715	

Module Number: AR3S8L1M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1257	5.1569	139.8838	34.4621	7.4032	Cell performance is degraded or hotspot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4935	4.3032	109.7031	32.7341	6.213	
Difference	1.8743	2.2631	75.1162	1.5379	0.8968	
Percentage Degradation	6.4631	30.5003	34.9378	4.2719	10.805	
Module Number: AR3S10L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.6404	6.395	189.5509	35.4626	8.6894	Hotspot formed over the cells or burn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.9345	4.883	131.5213	32.7647	6.6927	
Difference	-0.6404	1.025	25.4491	0.5374	-0.3894	
Percentage Degradation	-2.2083	13.8138	11.8368	1.4927	-4.6921	

<b>Module Number: AR3S10L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.9213	6.3483	183.5998	35.4762	7.7144	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.0291	4.8969	127.4627	32.5198	6.0075	
Difference	0.0787	1.0717	31.4002	0.5238	0.5856	
Percentage Degradation	0.2713	14.444	14.6047	1.4549	7.055	
<b>Module Number: AR3S10L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.2027	6.3051	184.1266	35.5039	7.559	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.5292	4.9093	130.2405	32.7953	5.9369	
Difference	-0.2027	1.1149	30.8734	0.4961	0.741	
Percentage Degradation	-0.6989	15.0252	14.3597	1.378	8.9277	

Module Number: AR3S11L3M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1383	5.7971	157.3239	35.1952	7.4765	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6628	4.5776	112.8973	32.5198	5.9551	
Difference	1.8617	1.6229	57.6761	0.8048	0.8235	
Percentage Degradation	6.4195	21.8718	26.8261	2.2356	9.9213	
Module Number: AR3S11L4L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.5183	5.5431	146.9941	34.2934	7.211	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6736	4.7322	116.7613	32.3054	6.1969	
Difference	2.4817	1.8769	68.0059	1.7066	1.089	
Percentage Degradation	8.5576	25.2949	31.6307	4.7405	13.1209	

<b>Module Number: AR4S8L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	16.9214	7.4884	126.7148	23.2856	8.2944	One of the sub-string is open circuited
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.6013	6.2885	98.109	21.7717	7.0171	
Difference	12.0786	-0.0684	88.2852	12.7144	0.0056	
Percentage Degradation	41.6502	-0.9221	41.0629	35.3178	0.0676	
<b>Module Number: AR4S8L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	16.1373	7.5475	121.7966	22.903	8.4384	One of the sub-string is open circuited
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.0254	6.4592	97.0525	21.588	7.269	
Difference	12.8627	-0.1275	93.2034	13.097	-0.1384	
Percentage Degradation	44.3543	-1.7189	43.3504	36.3807	-1.6675	

<b>Module Number: AR5S1L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.6651	7.5407	193.5319	35.6265	8.6181	Series resistance of module increases
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.1118	6.2569	144.6073	32.6729	7.2186	
Difference	3.3349	-0.1207	21.4681	0.3735	-0.3181	
Percentage Degradation	11.4995	-1.626	9.9852	1.0375	-3.8325	
<b>Module Number: AR5S2L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.6898	7.2987	180.2031	34.7739	8.3446	Series resistance of module increases
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.6649	6.0428	136.9591	32.3973	6.9627	
Difference	4.3102	0.1213	34.7969	1.2261	-0.0446	
Percentage Degradation	14.8628	1.6349	16.1846	3.4059	-0.5375	

<b>Module Number: AR5S5L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	15.196	7.3826	112.1862	35.62	8.2209	Hotspot formed over the cells or burned
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	13.6716	6.1075	83.4985	32.6422	6.866	
Difference	13.804	0.0374	102.8138	0.38	0.0791	
Percentage Degradation	47.6001	0.5037	47.8204	1.0556	0.9525	
<b>Module Number: AR5S5L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	14.9823	6.8926	103.2664	23.4437	8.505	One of the sub-string is open circuited o module.
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	13.7235	5.7113	78.3794	21.8023	7.1038	
Difference	14.0177	0.5274	111.7336	12.5563	-0.205	
Percentage Degradation	48.3371	7.1081	51.9691	34.8786	-2.4694	



<b>Module Number: AR5S6L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.3555	7.1336	188.0096	34.7094	7.892	Hotspot formed over the cells or low fill
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4161	6.4307	157.0126	32.581	7.1642	
Difference	2.6445	0.2864	26.9904	1.2906	0.408	
Percentage Degradation	9.119	3.8599	12.5537	3.585	4.9158	
<b>Module Number: AR5S8L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2952	6.1006	172.6171	35.6691	6.7046	Cell performance is degraded or hotspot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.239	5.485	138.4362	32.4585	6.0901	
Difference	0.7048	1.3194	42.3829	0.3309	1.5954	
Percentage Degradation	2.4303	17.782	19.713	0.9191	19.2219	

Module Number: AR5S8L2L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.6841	5.6332	161.5826	35.7917	7.3085	Cell performance is degraded or hotspots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.5375	5.0851	129.8618	32.5198	6.6665	
Difference	0.3159	1.7868	53.4174	0.2083	0.9915	
Percentage Degradation	1.0893	24.0812	24.8453	0.5786	11.9453	
Module Number: AR5S8L3L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.7023	4.1077	72.7161	33.3665	6.4406	Cell performance is degraded or hotspots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.1689	3.7326	60.3514	30.9581	5.9007	
Difference	11.2977	3.3123	142.2839	2.6335	1.8594	
Percentage Degradation	38.9577	44.6398	66.1785	7.3153	22.4021	

<b>Module Number: AR6S11L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9142	6.1773	172.4343	35.3797	6.7877	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0035	5.7095	142.7566	32.3054	6.336	
Difference	1.0858	1.2427	42.5657	0.6203	1.5123	
Percentage Degradation	3.7443	16.7479	19.798	1.7232	18.2203	
<b>Module Number: AR6S7L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1493	6.2209	168.8932	34.403	6.7141	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9889	5.3093	132.6742	32.1217	5.7737	
Difference	1.8507	1.1991	46.1068	1.597	1.5859	
Percentage Degradation	6.3818	16.1602	21.445	4.436	19.107	

<b>Module Number: AR6S6L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.7193	6.3933	183.6108	35.4987	7.5294	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8867	5.5604	143.9406	32.581	6.61	
Difference	0.2807	1.0267	31.3892	0.5013	0.7706	
Percentage Degradation	0.9679	13.8371	14.5996	1.3926	9.2842	
<b>Module Number: AR6S4L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.6008	5.4815	151.2942	34.5214	7.4101	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7391	4.8629	125.1659	32.581	6.6161	
Difference	1.3992	1.9385	63.7058	1.4786	0.8899	
Percentage Degradation	4.8247	26.1252	29.6306	4.1071	10.7212	

Module Number: AR7S2L3L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	16.7366	4.8122	80.5406	33.364	6.8901	Cell performance is degraded or hotspots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.4726	4.2916	66.4025	31.2643	6.1888	
Difference	12.2634	2.6078	134.4594	2.636	1.4099	
Percentage Degradation	42.2876	35.1449	62.5393	7.3222	16.9869	
Module Number: AR8S1L2L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.2158	4.9912	145.8219	34.9056	7.3807	Cell performance is degraded or hotspots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.6965	4.4742	119.4446	32.3973	6.6705	
Difference	-0.2158	2.4288	69.1781	1.0944	0.9193	
Percentage Degradation	-0.7443	32.7333	32.1759	3.0401	11.0758	

<b>Module Number: AR8S1L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.1115	6.3404	178.2374	35.3371	7.595	Cell performance is degraded or hotspot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4512	5.6905	144.8312	32.5504	6.8781	
Difference	0.8885	1.0796	36.7626	0.6629	0.705	
Percentage Degradation	3.0637	14.5503	17.0989	1.8413	8.4936	
<b>Module Number: AR8S1L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.3649	6.2759	171.7408	34.8167	6.9864	Cell performance is degraded or hotspot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9386	5.6314	140.4405	32.2442	6.3218	
Difference	1.6351	1.1441	43.2592	1.1833	1.3136	
Percentage Degradation	5.6382	15.4185	20.1205	3.2869	15.827	

<b>Module Number: AR8S1L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.558	5.9111	162.8979	34.791	7.2693	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1371	5.3239	133.8279	32.2442	6.602	
Difference	1.442	1.5089	52.1021	1.209	1.0307	
Percentage Degradation	4.9726	20.3355	24.2335	3.3584	12.4181	
<b>Module Number: AR8S3L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7779	6.6141	183.7265	35.5438	7.2652	Cell performance is degraded or snai
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9132	5.9318	147.781	32.4891	6.5798	
Difference	1.2221	0.8059	31.2735	0.4562	1.0348	
Percentage Degradation	4.2141	10.8609	14.5458	1.2672	12.4669	

<b>Module Number: AR8S3L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6762	6.4256	171.4105	34.6118	7.0162	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4865	5.7502	140.8032	32.2442	6.3279	
Difference	2.3238	0.9944	43.5895	1.3882	1.2838	
Percentage Degradation	8.013	13.4018	20.2742	3.8562	15.467	
<b>Module Number: AR8S3L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.1709	6.3039	164.98	34.4765	6.9507	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.1095	5.6674	136.6377	32.2135	6.2956	
Difference	2.8291	1.1161	50.02	1.5235	1.3493	
Percentage Degradation	9.7555	15.0411	23.2651	4.2319	16.2572	



Module Number: AR8S6L2L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.901	6.5761	117.7186	24.8978	6.8654	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.1021	6.0478	97.3819	22.8128	6.3742	
Difference	11.099	0.8439	97.2814	11.1022	1.4346	
Percentage Degradation	38.2725	11.3734	45.2472	30.8394	17.2847	
Module Number: AR8S6L4U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.6993	6.8856	170.0693	35.8177	8.1337	Increased series resistance of module
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.8182	6.302	137.4978	32.336	7.527	
Difference	4.3007	0.5344	44.9307	0.1823	0.1663	
Percentage Degradation	14.83	7.2023	20.898	0.5065	2.0039	

Module Number: AR8S8L4M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.9641	6.1359	177.7211	35.805	7.8576	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6858	5.5784	143.2857	32.4279	7.2206	
Difference	0.0359	1.2841	37.2789	0.195	0.4424	
Percentage Degradation	0.1239	17.3058	17.339	0.5416	5.3303	
Module Number: AR8S10L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.9675	6.6059	171.5395	34.0036	7.0495	Cell performance is degraded or temp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.0184	6.2289	149.6088	31.8767	6.6947	
Difference	3.0325	0.8141	43.4605	1.9964	1.2505	
Percentage Degradation	10.4568	10.9714	20.2142	5.5455	15.0667	

Module Number: AR8S10L3U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.4957	6.9896	171.216	34.3583	7.9005	Increased series resistance of modu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.5559	6.5421	147.5632	32.0911	7.4504	
Difference	4.5043	0.4304	43.784	1.6417	0.3995	
Percentage Degradation	15.5321	5.8	20.3647	4.5602	4.8135	
Module Number: AR8S10L4L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.8834	6.6012	164.2601	34.298	7.4055	Cell performance is degraded or Inc
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.7221	6.1681	140.1512	31.8155	6.9768	
Difference	4.1166	0.8188	50.7399	1.702	0.8945	
Percentage Degradation	14.1951	11.0352	23.5999	4.7278	10.7776	

Module Number: AR8S11L1U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2117	6.5513	178.2733	35.3769	7.0372	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.3483	6.1632	150.0636	32.2748	6.6866	
Difference	1.7883	0.8687	36.7267	0.6231	1.2628	
Percentage Degradation	6.1665	11.707	17.0822	1.7307	15.2147	
Module Number: AR8S12L4U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.8573	4.9923	124.0953	35.413	7.7505	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.3429	4.6787	104.5345	32.4279	7.3335	
Difference	4.1427	2.4277	90.9047	0.587	0.5495	
Percentage Degradation	14.2852	32.7183	42.2813	1.6304	6.6209	

<b>Module Number: AR9S11L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	22.3029	5.63	125.5665	33.6543	7.5885	Cell performance is degraded or sn factor.
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	20.2561	5.2944	107.2446	31.0806	7.1985	
Difference	6.6971	1.79	89.4335	2.3457	0.7115	
Percentage Degradation	23.0933	24.1234	41.597	6.5157	8.5726	
<b>Module Number: AR9S4L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	22.6554	6.2079	140.6433	33.4604	7.4499	Cell performance is degraded or sn factor.
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	20.7964	5.6353	117.1943	31.1724	6.8156	
Difference	6.3446	1.2121	74.3567	2.5396	0.8501	
Percentage Degradation	21.8779	16.3352	34.5845	7.0544	10.2419	

<b>Module Number: AR10S1L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.7344	5.7684	154.2139	34.7743	6.9481	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4284	5.2372	127.9374	32.2748	6.3601	
Difference	2.2656	1.6516	60.7861	1.2257	1.3519	
Percentage Degradation	7.8124	22.2591	28.2726	3.4047	16.2882	
<b>Module Number: AR11S6L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.696	5.9923	153.9771	33.3908	7.8637	Cell performance is degraded or hot factor.
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.3646	5.3485	124.9669	30.8662	7.0796	
Difference	3.304	1.4277	61.0229	2.6092	0.4363	
Percentage Degradation	11.3932	19.2417	28.3828	7.2479	5.2569	

<b>Module Number: AR11S7L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4717	5.8349	160.2952	34.6266	7.0085	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1161	5.3138	133.4614	32.1523	6.4347	
Difference	1.5283	1.5851	54.7048	1.3734	1.2915	
Percentage Degradation	5.2698	21.3624	25.4441	3.8149	15.56	
<b>Module Number: AR11S8L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.8516	4.4452	83.7987	33.8513	7.0305	Cell performance is degraded or hot factor.
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	17.1432	4.232	72.5496	31.2949	6.7511	
Difference	10.1484	2.9748	131.2013	2.1487	1.2695	
Percentage Degradation	34.9946	40.0919	61.0239	5.9687	15.2946	

<b>Module Number: AR11S9L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	22.0694	4.24	93.5752	33.3993	7.0097	Cell performance is degraded or burned factor.
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	20.1094	3.978	79.9959	30.9274	6.6322	
Difference	6.9306	3.18	121.4248	2.6007	1.2903	
Percentage Degradation	23.8986	42.8566	56.4767	7.2241	15.5457	
<b>Module Number: AR11S10L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	14.0327	6.409	89.9357	35.8868	7.9726	Cells in the sub- strings are burned
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	12.4959	6.0621	75.7513	32.6116	7.6197	
Difference	14.9673	1.011	125.0643	0.1132	0.3274	
Percentage Degradation	51.6114	13.6251	58.1694	0.3145	3.9451	



<b>Module Number: AR12S11L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.6764	6.1062	144.5715	33.7725	6.8388	Cell performance is degraded or inc
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.6178	5.7321	123.9144	31.3255	6.473	
Difference	5.3236	1.3138	70.4285	2.2275	1.4612	
Percentage Degradation	18.3573	17.7069	32.7574	6.1875	17.6046	
<b>Module Number: AR12S11L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.1046	6.6847	161.1309	35.8863	8.1316	Increased series resistance of the m
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.8846	6.3111	138.1171	33.1322	7.7446	
Difference	4.8954	0.7353	53.8691	0.1137	0.1684	
Percentage Degradation	16.8808	9.9102	25.0554	0.3157	2.0284	

<b>Module Number: AR12S10L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.9576	6.4971	175.1464	35.8816	7.4522	Cell performance is degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.0924	6.1278	147.6329	32.7035	7.0997	
Difference	2.0424	0.9229	39.8536	0.1184	0.8478	
Percentage Degradation	7.0426	12.438	18.5366	0.329	10.2144	
<b>Module Number: AR13S2L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	19.1931	5.0215	96.3783	32.9764	6.6284	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	17.7621	4.6767	83.068	30.9274	6.2171	
Difference	9.8069	2.3985	118.6217	3.0236	1.6716	
Percentage Degradation	33.8167	32.3249	55.1729	8.399	20.1403	

Module Number: AR13S2L3M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.7313	4.9013	91.8073	33.3387	6.9696	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	17.2501	4.5644	78.7368	31.1418	6.5395	
Difference	10.2687	2.5187	123.1927	2.6613	1.3304	
Percentage Degradation	35.4093	33.9451	57.2989	7.3925	16.0287	
Module Number: AR14S3L3L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.635	5.7446	158.753	34.3888	6.3491	Cell performance is degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4487	5.3659	136.5561	32.1217	5.9752	
Difference	1.365	1.6754	56.247	1.6112	1.9509	
Percentage Degradation	4.707	22.5789	26.1614	4.4755	23.505	

<b>Module Number: AR14S4L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7926	5.2668	146.3771	34.2724	6.8263	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6699	4.9411	126.8376	32.0911	6.4508	
Difference	1.2074	2.1532	68.6229	1.7276	1.4737	
Percentage Degradation	4.1636	29.0192	31.9176	4.7989	17.7551	
<b>Module Number: AR14S12L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.1014	5.9777	173.9606	35.8488	7.1524	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8882	5.5503	143.6872	32.5504	6.7108	
Difference	-0.1014	1.4423	41.0394	0.1512	1.1476	
Percentage Degradation	-0.3495	19.4373	19.0881	0.4199	13.8264	

<b>Module Number: AR15S12L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	19.8137	4.6459	92.0531	34.1652	7.1318	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	17.9867	4.2972	77.2915	31.5399	6.6544	
Difference	9.1863	2.7741	122.9469	1.8348	1.1682	
Percentage Degradation	31.6768	37.3864	57.1846	5.0966	14.0744	
<b>Module Number: AR15S12L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2047	6.2798	164.5594	35.8792	7.1935	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.3678	5.917	138.266	32.6422	6.8478	
Difference	2.7953	1.1402	50.4406	0.1208	1.1065	
Percentage Degradation	9.6389	15.3672	23.4608	0.3356	13.3309	

<b>Module Number: AR16S7L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.1148	6.8315	171.5714	35.844	8.1175	Increased series resistance of the mo
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.6544	6.318	143.1299	32.9178	7.5773	
Difference	3.8852	0.5885	43.4286	0.156	0.1825	
Percentage Degradation	13.3974	7.9313	20.1994	0.4333	2.1988	
<b>Module Number: AR16S6L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7364	5.4371	150.8066	35.8307	7.8907	Burned cells or hotspot formed over t
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9737	4.9961	124.771	32.8566	7.3194	
Difference	1.2636	1.9829	64.1934	0.1693	0.4093	
Percentage Degradation	4.3574	26.7231	29.8574	0.4703	4.9316	

<b>Module Number: AR16S1L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.338	5.7646	163.3559	34.6944	7.0391	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.9965	5.4692	142.179	32.3054	6.7309	
Difference	0.662	1.6554	51.6441	1.3056	1.2609	
Percentage Degradation	2.2828	22.3106	24.0205	3.6268	15.1918	
<b>Module Number: AR19S1L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2412	6.0404	164.5485	34.8065	7.3453	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1223	5.7841	145.3089	32.5504	7.0856	
Difference	1.7588	1.3796	50.4515	1.1935	0.9547	
Percentage Degradation	6.0648	18.5926	23.4658	3.3153	11.5028	

<b>Module Number: AR19S1L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2576	6.3056	171.8766	34.9934	7.1259	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0314	6.0853	152.3238	32.6116	6.9305	
Difference	1.7424	1.1144	43.1234	1.0066	1.1741	
Percentage Degradation	6.0082	15.0184	20.0574	2.7962	14.1454	
<b>Module Number: AR19S1L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4392	6.2984	172.8241	35.0809	7.3157	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2652	6.096	154.0161	32.7647	7.134	
Difference	1.5608	1.1216	42.1759	0.9191	0.9843	
Percentage Degradation	5.3822	15.1153	19.6167	2.553	11.8587	



<b>Module Number: AR19S2L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.1935	4.948	139.501	35.174	7.3516	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6994	4.7358	121.7077	32.581	7.0957	
Difference	0.8065	2.472	75.499	0.826	0.9484	
Percentage Degradation	2.7812	33.3155	35.1158	2.2944	11.426	
<b>Module Number: AR19S3L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9387	5.6735	158.5109	34.5479	7.0822	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8814	5.4011	139.7874	32.4279	6.7894	
Difference	1.0613	1.7465	56.4891	1.4521	1.2178	
Percentage Degradation	3.6597	23.5374	26.274	4.0337	14.6724	

<b>Module Number: AR19S4L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.3881	6.445	170.0701	34.8144	6.9541	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.3567	6.1371	149.4793	32.581	6.6705	
Difference	2.6119	0.975	44.9299	1.1856	1.3459	
Percentage Degradation	9.0066	13.1408	20.8976	3.2934	16.2154	
<b>Module Number: AR19S4L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1365	5.3577	145.3885	34.9122	7.6494	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8479	5.0717	126.0202	32.4585	7.2992	
Difference	1.8635	2.0623	69.6115	1.0878	0.6506	
Percentage Degradation	6.4258	27.7942	32.3774	3.0217	7.8384	

<b>Module Number: AR19S4L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.0893	5.9421	166.9091	34.556	7.2953	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6252	5.5933	143.3284	32.0298	6.9244	
Difference	0.9107	1.4779	48.0909	1.444	1.0047	
Percentage Degradation	3.1402	19.918	22.3678	4.0112	12.1048	
<b>Module Number: AR19S5L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.9555	5.9744	161.042	35.7535	7.1631	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.0022	5.6142	134.7532	32.4891	6.8015	
Difference	2.0445	1.4456	53.958	0.2465	1.1369	
Percentage Degradation	7.0501	19.4828	25.0967	0.6848	13.698	

<b>Module Number: AR19S6L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.056	6.1239	165.689	34.493	6.9281	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8816	5.7666	143.4817	32.1829	6.5738	
Difference	1.944	1.2961	49.311	1.507	1.3719	
Percentage Degradation	6.7033	17.4674	22.9353	4.186	16.5292	
<b>Module Number: AR19S6L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6335	5.4638	145.519	34.7793	7.1681	Cell performance is degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2194	5.1019	123.5645	32.1523	6.7511	
Difference	2.3665	1.9562	69.481	1.2207	1.1319	
Percentage Degradation	8.1605	26.3643	32.3167	3.3908	13.6377	

<b>Module Number: AR19S7L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4313	6.3103	173.1002	34.743	7.0947	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0057	5.8693	146.7653	32.1829	6.6544	
Difference	1.5687	1.1097	41.8998	1.257	1.2053	
Percentage Degradation	5.4093	14.9553	19.4883	3.4916	14.5222	
<b>Module Number: AR19S8L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.7592	6.3809	113.32	23.4769	7.3797	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.1001	5.9707	96.1291	21.6492	6.9667	
Difference	11.2408	1.0391	101.68	12.5231	0.9203	
Percentage Degradation	38.7613	14.0038	47.293	34.7864	11.0878	

<b>Module Number: AR19S9L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.224	5.5672	101.4573	24.0479	7.7767	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.4603	5.2063	85.6977	22.1085	7.3395	
Difference	10.776	1.8528	113.5427	11.9521	0.5233	
Percentage Degradation	37.1588	24.9697	52.8106	33.2003	6.305	
<b>Module Number: AR19S9L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2992	6.4188	181.6483	35.8501	7.9431	Burned cells or low fill factor or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1156	5.9649	149.8125	32.4891	7.4605	
Difference	0.7008	1.0012	33.3517	0.1499	0.3569	
Percentage Degradation	2.4166	13.4926	15.5124	0.4165	4.3002	

<b>Module Number: AR19S10L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2138	6.3516	179.2027	35.8429	7.6595	Cell performance is degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8723	5.8862	146.4032	32.3054	7.1783	
Difference	0.7862	1.0684	35.7973	0.1571	0.6405	
Percentage Degradation	2.7111	14.3989	16.6499	0.4365	7.7167	
<b>Module Number: AR19S11L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.1304	6.275	182.7944	35.8471	7.5649	Cell performance is degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.065	5.8175	151.6325	32.7035	7.0836	
Difference	-0.1304	1.145	32.2056	0.1529	0.7351	
Percentage Degradation	-0.4498	15.4309	14.9793	0.4248	8.8564	

<b>Module Number: AR19S11L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.7177	6.1177	175.686	35.5514	7.4779	Cell performance is degraded or b
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4822	5.7075	145.4389	32.2135	7.0514	
Difference	0.2823	1.3023	39.314	0.4486	0.8221	
Percentage Degradation	0.9735	17.5513	18.2856	1.2462	9.9043	
<b>Module Number: AR19S11L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.1903	6.079	177.4479	35.8268	7.2687	Cell performance is degraded or b
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7175	5.6512	145.334	32.2748	6.8337	
Difference	-0.1903	1.341	37.5521	0.1732	1.0313	
Percentage Degradation	-0.6563	18.0728	17.4661	0.481	12.4254	



<b>Module Number: AR19S11L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2585	6.1781	168.4069	35.0058	7.3225	Cell performance is degraded or s
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.5063	5.7294	140.4053	32.0604	6.8559	
Difference	1.7415	1.2419	46.5931	0.9942	0.9775	
Percentage Degradation	6.0052	16.7366	21.6712	2.7616	11.7772	
<b>Module Number: AR19S7L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.6124	6.3684	175.8483	35.3571	7.1195	Cell performance is degraded or s
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8673	5.9198	147.2085	32.4279	6.6806	
Difference	1.3876	1.0516	39.1517	0.6429	1.1805	
Percentage Degradation	4.7847	14.1719	18.2101	1.7858	14.2229	

<b>Module Number: AR20S12L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.759	5.635	150.7872	35.5603	7.0408	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.6539	5.1256	121.2396	32.1217	6.475	
Difference	2.241	1.785	64.2128	0.4397	1.2592	
Percentage Degradation	7.7276	24.0565	29.8664	1.2214	15.1715	
<b>Module Number: AR20S10L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2513	5.7486	162.406	35.4564	7.1347	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2385	5.1051	128.846	32.3054	6.4004	
Difference	0.7487	1.6714	52.594	0.5436	1.1653	
Percentage Degradation	2.5818	22.5253	24.4623	1.51	14.0395	

<b>Module Number: AR20S9L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.4708	5.3945	153.5865	35.0517	6.3921	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4656	4.8241	122.8497	31.9686	5.7737	
Difference	0.5292	2.0255	61.4135	0.9483	1.9079	
Percentage Degradation	1.8249	27.2974	28.5644	2.6341	22.9867	
<b>Module Number: AR20S9L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.5768	5.4183	149.4194	34.6097	7.2872	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0222	4.9209	123.1307	31.9379	6.6765	
Difference	1.4232	2.0017	65.5806	1.3903	1.0128	
Percentage Degradation	4.9076	26.977	30.5026	3.862	12.2029	

<b>Module Number: AR20S8L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.6367	5.4651	156.5024	34.6998	7.1225	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.9319	4.9209	127.6081	31.9686	6.471	
Difference	0.3633	1.9549	58.4976	1.3002	1.1775	
Percentage Degradation	1.2528	26.3463	27.2082	3.6118	14.1862	
<b>Module Number: AR20S8L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.89	5.5295	159.7473	34.8736	7.2471	Cell performance is degraded or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1543	4.9359	129.0943	32.1217	6.5274	
Difference	0.11	1.8905	55.2527	1.1264	1.0529	
Percentage Degradation	0.3794	25.4784	25.6989	3.1288	12.6859	

<b>Module Number: AR20S7L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7053	5.6092	155.4053	34.7905	6.8264	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1256	4.9668	124.7938	32.0911	6.0982	
Difference	1.2947	1.8108	59.5947	1.2095	1.4736	
Percentage Degradation	4.4646	24.4038	27.7184	3.3597	17.7543	
<b>Module Number: AR20S5L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.3496	6.0781	166.2329	34.754	7.3441	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9505	5.503	137.3016	32.2135	6.7047	
Difference	1.6504	1.3419	48.7671	1.246	0.9559	
Percentage Degradation	5.6911	18.0852	22.6824	3.4611	11.5167	

<b>Module Number: AR20S5L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6842	6.211	165.7353	34.3981	6.6231	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.5651	5.6139	137.9058	32.1217	6.0316	
Difference	2.3158	1.209	49.2647	1.6019	1.6769	
Percentage Degradation	7.9856	16.2939	22.9138	4.4498	20.2037	
<b>Module Number: AR20S3L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.3987	5.8047	164.8462	34.6805	7.1451	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.0648	5.2228	136.1305	32.3054	6.479	
Difference	0.6013	1.6153	50.1538	1.3195	1.1549	
Percentage Degradation	2.0736	21.7693	23.3273	3.6654	13.915	

<b>Module Number: AR20S3L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.7772	5.077	130.8707	34.1877	6.3996	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.6585	4.5322	107.225	31.8461	5.7576	
Difference	3.2228	2.343	84.1293	1.8123	1.9004	
Percentage Degradation	11.1132	31.5768	39.1299	5.0341	22.8967	
<b>Module Number: AR20S3L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6286	5.3072	141.3239	34.6198	6.9995	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4076	4.7284	115.4081	32.2135	6.2856	
Difference	2.3714	2.1128	73.6761	1.3802	1.3005	
Percentage Degradation	8.1772	28.4741	34.2679	3.8338	15.6692	

<b>Module Number: AR20S2L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.8609	5.5427	159.9668	34.9924	7.0191	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1712	4.9498	129.5415	32.2748	6.3239	
Difference	0.1391	1.8773	55.0332	1.0076	1.2809	
Percentage Degradation	0.4797	25.3007	25.5968	2.7989	15.433	
<b>Module Number: AR20S2L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.0197	6.4007	172.9458	34.6339	7.1699	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9258	5.713	142.402	32.3973	6.4468	
Difference	1.9803	1.0193	42.0542	1.3661	1.1301	
Percentage Degradation	6.8285	13.7369	19.5601	3.7947	13.6158	



<b>Module Number: AR21S3L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.6842	5.9273	164.0926	34.8969	6.4513	Cell performance degraded or snail t
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3629	5.3307	135.2016	32.4585	5.8483	
Difference	1.3158	1.4927	50.9074	1.1031	1.8487	
Percentage Degradation	4.5372	20.1172	23.6778	3.0643	22.2735	
<b>Module Number: AR21S6L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2613	5.0669	138.1306	35.3638	6.843	Cell performance is degraded or sna
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6588	4.5486	112.1634	32.5504	6.1989	
Difference	1.7387	2.3531	76.8694	0.6362	1.457	
Percentage Degradation	5.9955	31.7128	35.7532	1.7674	17.5539	

Module Number: AR21S9L2M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.4635	5.0734	149.4806	35.8347	6.8861	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1626	4.679	122.4157	32.4891	6.4186	
Difference	-0.4635	2.3466	65.5194	0.1653	1.4139	
Percentage Degradation	-1.5983	31.6252	30.4741	0.4592	17.0348	
Module Number: AR21S11L1M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7	6.2254	172.4429	35.8412	7.1625	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.648	5.7583	141.9317	32.5504	6.6947	
Difference	1.3	1.1946	42.5571	0.1588	1.1375	
Percentage Degradation	4.4827	16.1001	19.794	0.4412	13.705	

<b>Module Number: AR21S11L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.8617	5.552	165.791	35.8409	7.1412	Cell performance is degraded or h
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.4799	5.1368	136.0234	32.4585	6.6785	
Difference	-0.8617	1.868	49.209	0.1591	1.1588	
Percentage Degradation	-2.9714	25.1757	22.8879	0.4419	13.9612	
<b>Module Number: AR21S12L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.0549	6.5849	184.7397	35.8383	7.5608	Cell performance is degraded or s
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1677	6.0765	152.9302	32.7647	7.0453	
Difference	0.9451	0.8351	30.2603	0.1617	0.7392	
Percentage Degradation	3.2589	11.2543	14.0746	0.4492	8.9064	

<b>Module Number: AR20S2L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.6923	5.4297	155.7919	35.8351	7.2222	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3304	5.012	126.9572	32.336	6.741	
Difference	0.3077	1.9903	59.2081	0.1649	1.0778	
Percentage Degradation	1.0609	26.8229	27.5387	0.4581	12.9856	
<b>Module Number: AR22S9L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1465	6.7903	184.3328	35.4986	7.3703	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2162	6.0499	146.5059	32.3054	6.6342	
Difference	1.8535	0.6297	30.6672	0.5014	0.9297	
Percentage Degradation	6.3914	8.4866	14.2638	1.3929	11.2007	

Module Number: AR22S8L1U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.0646	5.9589	173.1942	35.756	7.3035	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7286	5.2909	136.1286	32.336	6.5556	
Difference	-0.0646	1.4611	41.8058	0.244	0.9965	
Percentage Degradation	-0.2227	19.6908	19.4446	0.6778	12.0065	
Module Number: AR22S7L4L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9662	6.0555	169.3485	35.1142	6.7965	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1062	5.3595	134.5576	32.1217	6.074	
Difference	1.0338	1.3645	45.6515	0.8858	1.5035	
Percentage Degradation	3.5648	18.3899	21.2333	2.4607	18.1147	

Module Number: AR22S7L2U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9705	6.0982	170.5692	35.2293	6.8643	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0681	5.3894	135.1011	32.1829	6.1264	
Difference	1.0295	1.3218	44.4308	0.7707	1.4357	
Percentage Degradation	3.5499	17.8144	20.6655	2.1408	17.298	
Module Number: AR22S6L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.3604	5.0958	139.4241	35.7652	7.8228	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6059	4.5328	111.5336	32.7647	7.0252	
Difference	1.6396	2.3242	75.5759	0.2348	0.4772	
Percentage Degradation	5.6539	31.3229	35.1516	0.6521	5.7495	

<b>Module Number: AR22S4L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.8802	5.4541	162.9693	35.6884	6.7848	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.6351	4.8936	130.3428	32.4585	6.1505	
Difference	-0.8802	1.9659	52.0307	0.3116	1.5152	
Percentage Degradation	-3.0353	26.4948	24.2003	0.8655	18.2559	
<b>Module Number: AR22S3L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.1144	6.0149	169.1054	35.3406	6.8071	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1877	5.2474	132.1694	32.2748	5.9974	
Difference	0.8856	1.4051	45.8946	0.6594	1.4929	
Percentage Degradation	3.0536	18.9367	21.3463	1.8316	17.9866	

<b>Module Number: AR22S2L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.8535	6.1927	178.6816	35.7392	7.4799	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4972	5.4555	139.0989	32.2748	6.6624	
Difference	0.1465	1.2273	36.3184	0.2608	0.8201	
Percentage Degradation	0.5052	16.5402	16.8923	0.7245	9.8804	
<b>Module Number: AR22S1L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2465	5.7669	157.127	34.7207	7.5053	Cell performance is degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8567	4.9585	123.2531	32.1829	6.5072	
Difference	1.7535	1.6531	57.873	1.2793	0.7947	
Percentage Degradation	6.0465	22.2795	26.9177	3.5536	9.5742	



<b>Module Number: AR23S1L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2133	6.1266	172.8509	35.1465	7.1859	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6535	5.2603	134.9445	32.4891	6.2231	
Difference	0.7867	1.2934	42.1491	0.8535	1.1141	
Percentage Degradation	2.7127	17.4316	19.6042	2.3707	13.4234	
<b>Module Number: AR23S1L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.8389	5.4387	151.4076	34.7266	7.2786	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4803	4.6158	117.6109	32.2748	6.2271	
Difference	1.1611	1.9813	63.5924	1.2734	1.0214	
Percentage Degradation	4.0037	26.7021	29.5779	3.5371	12.3057	

Module Number: AR23S1L4U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.5421	5.8252	166.2643	34.7225	7.4187	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.2183	4.9258	129.1451	32.3666	6.3218	
Difference	0.4579	1.5948	48.7357	1.2775	0.8813	
Percentage Degradation	1.5788	21.493	22.6678	3.5487	10.6179	
Module Number: AR23S6L3M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4354	6.1626	169.0738	35.1321	6.7607	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.93	5.4033	134.7039	32.4585	5.9793	
Difference	1.5646	1.2574	45.9262	0.8679	1.5393	
Percentage Degradation	5.3951	16.946	21.361	2.4109	18.5456	

<b>Module Number: AR23S6L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.1987	6.1242	172.693	34.9423	7.3696	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8823	5.3356	138.0985	32.5504	6.471	
Difference	0.8013	1.2958	42.307	1.0577	0.9304	
Percentage Degradation	2.7632	17.4642	19.6777	2.9379	11.2095	
<b>Module Number: AR23S8L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.7031	5.3363	153.1677	34.7014	6.6289	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.3857	4.5721	120.639	32.3666	5.7233	
Difference	0.2969	2.0837	61.8323	1.2986	1.6711	
Percentage Degradation	1.0237	28.0826	28.7592	3.6073	20.1339	

<b>Module Number: AR23S7L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	8.245	5.4182	44.6729	19.5633	5.6775	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	7.55	4.5751	34.542	18.189	4.8326	
Difference	20.755	2.0018	170.3271	16.4367	2.6225	
Percentage Degradation	71.5689	26.9787	79.2219	45.6574	31.5966	
<b>Module Number: AR23S9L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.4451	5.2951	155.9143	35.3547	6.5302	Cell performance is degraded or sna
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.6118	4.4302	117.897	32.5198	5.5137	
Difference	-0.4451	2.1249	59.0857	0.6453	1.7698	
Percentage Degradation	-1.5348	28.6377	27.4817	1.7926	21.3226	

<b>Module Number: AR23S9L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.1916	5.7369	167.4699	35.6331	6.8474	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.2212	4.7792	125.3171	32.6116	5.7596	
Difference	-0.1916	1.6831	47.5301	0.3669	1.4526	
Percentage Degradation	-0.6607	22.683	22.107	1.0191	17.5014	
<b>Module Number: AR23S9L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.3347	5.9027	173.1541	35.4014	7.3081	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.4084	4.5147	119.2255	32.4585	5.6427	
Difference	-0.3347	1.5173	41.8459	0.5986	0.9919	
Percentage Degradation	-1.1541	20.4487	19.4632	1.6627	11.9506	

<b>Module Number: AR23S10L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	21.2485	5.9611	126.6633	33.1697	7.5316	Increased series resistance or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	19.4777	4.5512	88.6462	30.8662	5.7959	
Difference	7.7515	1.4589	88.3367	2.8303	0.7684	
Percentage Degradation	26.7294	19.6623	41.0868	7.862	9.2579	
<b>Module Number: AR23S11L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.6396	6.3494	181.8444	35.4532	7.4483	Cell performance is degraded or sr
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.9444	4.8305	125.3242	32.6729	5.7173	
Difference	0.3604	1.0706	33.1556	0.5468	0.8517	
Percentage Degradation	1.2429	14.4284	15.4212	1.519	10.2618	

Module Number: AR23S12L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2046	4.988	140.6836	35.4486	7.6955	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4667	3.7961	96.6732	32.581	5.9107	
Difference	0.7954	2.432	74.3164	0.5514	0.6045	
Percentage Degradation	2.7428	32.7767	34.5657	1.5317	7.2836	
Module Number: AR27S4L2U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.9519	5.5047	159.3705	35.0111	6.8733	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.6315	4.6275	123.2366	32.6729	5.8221	
Difference	0.0481	1.9153	55.6295	0.9889	1.4267	
Percentage Degradation	0.1659	25.8131	25.8742	2.7468	17.1897	

<b>Module Number: AR28S2L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.4539	4.5145	128.4557	34.4803	7.4245	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.3304	3.767	99.188	32.336	6.2392	
Difference	0.5461	2.9055	86.5443	1.5197	0.8755	
Percentage Degradation	1.8832	39.1574	40.2532	4.2213	10.5486	
<b>Module Number: AR28S6L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	21.8026	5.8732	128.0517	33.3975	7.0364	Cell performance is degraded or sna
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	20.0595	4.5475	91.2201	31.1724	5.4895	
Difference	7.1974	1.5468	86.9483	2.6025	1.2636	
Percentage Degradation	24.8186	20.846	40.4411	7.2292	15.2243	



<b>Module Number: AR28S7L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.5219	5.0195	143.1655	34.4203	8.3577	Burned cells or low fill factor or hotspots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1449	3.8846	101.5613	32.0298	6.5193	
Difference	0.4781	2.4005	71.8345	1.5797	-0.0577	
Percentage Degradation	1.6485	32.3519	33.4114	4.388	-0.6955	
<b>Module Number: AR28S12L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.6944	5.7191	158.3882	34.5333	7.7657	Cell performance is degraded or hotspots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2262	4.3929	110.8169	31.9686	6.0155	
Difference	1.3056	1.7009	56.6118	1.4667	0.5343	
Percentage Degradation	4.5019	22.9227	26.3311	4.0741	6.4375	

<b>Module Number: AR29S10L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.3979	6.8093	172.9413	35.4582	8.1759	Hotspot formed on the cells or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.9775	5.1978	119.4329	32.6422	6.2977	
Difference	3.6021	0.6107	42.0587	0.5418	0.1241	
Percentage Degradation	12.4209	8.2309	19.5622	1.505	1.4953	
<b>Module Number: AR29S7L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.1299	5.0193	141.1923	33.9246	7.6301	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.0922	3.8195	99.6583	31.8767	5.8462	
Difference	0.8701	2.4007	73.8077	2.0754	0.6699	
Percentage Degradation	3.0003	32.3545	34.3292	5.765	8.0709	

<b>Module Number: AR30S8L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.3493	5.2763	149.5781	35.4261	6.924	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6172	3.9732	101.7809	32.581	5.2618	
Difference	0.6507	2.1437	65.4219	0.5739	1.376	
Percentage Degradation	2.2439	28.8914	30.4288	1.5942	16.5779	
<b>Module Number: AR30S8L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.7613	5.7948	166.6661	35.2487	6.3421	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8494	4.3205	111.6825	32.2748	4.7741	
Difference	0.2387	1.6252	48.3339	0.7513	1.9579	
Percentage Degradation	0.8232	21.9028	22.4809	2.0869	23.5895	

<b>Module Number: AR30S6L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6224	4.9928	132.9195	34.4942	5.8652	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7087	3.7501	92.6603	32.4279	4.4356	
Difference	2.3776	2.4272	82.0805	1.5058	2.4348	
Percentage Degradation	8.1985	32.7121	38.177	4.1829	29.3347	
<b>Module Number: AR30S5L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7348	5.0345	139.6312	35.2711	6.444	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2542	3.7842	95.5682	32.6422	4.885	
Difference	1.2652	2.3855	75.3688	0.7289	1.856	
Percentage Degradation	4.3627	32.1495	35.0553	2.0247	22.3614	

<b>Module Number: AR30S3L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.992	6.9569	173.8665	35.4326	7.7845	Cell performance is degraded or Inc
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.4078	5.1558	120.6853	33.5609	5.8039	
Difference	4.008	0.4631	41.1335	0.5674	0.5155	
Percentage Degradation	13.8207	6.2414	19.1319	1.5761	6.2114	
<b>Module Number: AR31S1L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.3871	5.5316	156.8096	35.3967	7.1716	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.3745	3.8859	102.4881	32.581	5.7092	
Difference	0.6129	1.8884	58.1904	0.6033	1.1284	
Percentage Degradation	2.1135	25.4499	27.0653	1.6757	13.5949	

<b>Module Number: AR33S2L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.3415	6.4777	183.5877	35.126	8.3295	Hotspot Formed over the cells or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.2628	4.2909	112.6899	32.9791	5.556	
Difference	0.6585	0.9423	31.4123	0.874	-0.0295	
Percentage Degradation	2.2708	12.6994	14.6104	2.4278	-0.3556	
<b>Module Number: AR33S3L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.3825	6.1052	173.2808	35.1357	7.4174	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1138	4.0925	106.8703	32.7953	5.0099	
Difference	0.6175	1.3148	41.7192	0.8643	0.8826	
Percentage Degradation	2.1293	17.7197	19.4043	2.4007	10.634	

<b>Module Number: AR33S4L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.9137	6.2078	185.6994	35.2152	8.2705	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	27.7279	4.1671	115.545	33.0709	5.5903	
Difference	-0.9137	1.2122	29.3006	0.7848	0.0295	
Percentage Degradation	-3.1507	16.3364	13.6282	2.18	0.3556	
<b>Module Number: AR33S4L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.5054	5.9075	150.6725	35.1557	7.9874	Increased series resistance of the mo
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.3971	3.9899	93.3528	32.7341	5.4371	
Difference	3.4946	1.5125	64.3275	0.8443	0.3126	
Percentage Degradation	12.0505	20.3843	29.9198	2.3452	3.7668	

<b>Module Number: AR34S1L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.0762	6.9321	194.6284	35.5985	8.5734	Increased series resistance of the mo
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3942	5.6646	143.849	32.7647	7.0695	
Difference	0.9238	0.4879	20.3716	0.4015	-0.2734	
Percentage Degradation	3.1855	6.5749	9.4752	1.1152	-3.2935	
<b>Module Number: AR34S1L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2643	7.0762	185.8507	35.6171	8.0988	Increased series resistance of the mo
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.8486	5.83	139.0369	32.8872	6.7309	
Difference	2.7357	0.3438	29.1493	0.3829	0.2012	
Percentage Degradation	9.4336	4.6337	13.5578	1.0636	2.4242	



<b>Module Number: AR34S3L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.1179	5.7553	161.8257	35.0992	6.9955	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7853	4.7178	121.6488	32.6729	5.7797	
Difference	0.8821	1.6647	53.1743	0.9008	1.3045	
Percentage Degradation	3.0418	22.4358	24.7322	2.5021	15.7165	
<b>Module Number: AR34S3L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.8426	5.4081	155.9839	34.9228	6.5562	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.4914	4.4455	117.7672	32.5504	5.4311	
Difference	0.1574	2.0119	59.0161	1.0772	1.7438	
Percentage Degradation	0.5426	27.1145	27.4493	2.9923	21.0091	

<b>Module Number: AR34S4L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.4896	6.7136	177.8405	35.612	7.8524	Light cell performance is degraded or
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.1121	5.513	132.929	32.9484	6.5032	
Difference	2.5104	0.7064	37.1595	0.388	0.4476	
Percentage Degradation	8.6567	9.5201	17.2835	1.0779	5.3926	
<b>Module Number: AR34S4L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.1016	5.7432	167.136	35.5637	7.8323	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1727	4.6546	121.8223	32.581	6.4085	
Difference	-0.1016	1.6768	47.864	0.4363	0.4677	
Percentage Degradation	-0.3503	22.5985	22.2623	1.2121	5.6349	

Module Number: AR34S7L2U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2452	6.4183	181.2855	35.3251	7.9278	Hotspot formed over the cells or low f
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7592	5.5141	142.0377	32.7341	6.868	
Difference	0.7548	1.0017	33.7145	0.6749	0.3722	
Percentage Degradation	2.6028	13.5003	15.6812	1.8748	4.4849	
Module Number: AR33S7L4M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.3635	5.9191	161.9674	34.5285	7.9564	Hotspot formed on the cells or bubble
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3076	5.1133	129.4054	32.3666	6.9224	
Difference	1.6365	1.5009	53.0326	1.4715	0.3436	
Percentage Degradation	5.6432	20.2277	24.6663	4.0876	4.1403	

<b>Module Number: BR36S1L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2748	4.108	112.0443	34.6053	6.6085	Cell performance is degraded or bur
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4471	3.4928	88.8828	32.6729	5.6548	
Difference	1.7252	3.312	102.9557	1.3947	1.6915	
Percentage Degradation	5.9489	44.6364	47.8864	3.8742	20.3795	
<b>Module Number: BR36S2L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.7581	6.4832	115.1295	24.8155	6.9833	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.4591	5.6037	92.2321	23.3028	6.078	
Difference	11.2419	0.9368	99.8705	11.1845	1.3167	
Percentage Degradation	38.7653	12.6251	46.4514	31.0682	15.864	

<b>Module Number: BR36S2L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.3025	5.0833	138.7861	34.4095	6.4982	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2991	4.4101	111.5704	32.3054	5.677	
Difference	1.6975	2.3367	76.2139	1.5905	1.8018	
Percentage Degradation	5.8534	31.4923	35.4483	4.4181	21.7088	
<b>Module Number: BR36S3L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	16.9657	6.0642	102.8839	23.3708	7.3283	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.6794	5.2369	82.1112	21.8942	6.3742	
Difference	12.0343	1.3558	112.1161	12.6292	0.9717	
Percentage Degradation	41.4976	18.2719	52.147	35.081	11.7068	

<b>Module Number: BR36S6L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.2386	5.7563	168.3062	35.523	7.1305	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.484	4.992	132.2086	32.7341	6.2392	
Difference	-0.2386	1.6637	46.6938	0.477	1.1695	
Percentage Degradation	-0.8228	22.4219	21.7181	1.3249	14.0908	
<b>Module Number: BR36S6L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.687	5.8191	161.114	35.0239	6.5173	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3697	5.0823	128.9356	32.581	5.7374	
Difference	1.313	1.6009	53.886	0.9761	1.7827	
Percentage Degradation	4.5276	21.5752	25.0633	2.7115	21.4783	

<b>Module Number: BR36S6L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7051	6.5337	181.0167	34.4575	7.9124	Hotspot are formed over the cells on
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8355	5.2085	134.5634	32.5198	6.348	
Difference	1.2949	0.8863	33.9833	1.5425	0.3876	
Percentage Degradation	4.4652	11.9448	15.8062	4.2847	4.6704	
<b>Module Number: BR36S6L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.8107	6.4106	178.283	34.339	7.446	Hotspots are formed over the cells o
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8343	5.0857	131.3843	32.3054	5.947	
Difference	1.1893	1.0094	36.717	1.661	0.854	
Percentage Degradation	4.1012	13.6038	17.0777	4.6139	10.2896	

<b>Module Number: BR35S8L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2576	6.3056	171.8766	34.9934	7.1259	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0314	6.0853	152.3238	32.6116	6.9305	
Difference	1.7424	1.1144	43.1234	1.0066	1.1741	
Percentage Degradation	6.0082	15.0184	20.0574	2.7962	14.1454	
<b>Module Number: BR35S8L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.8258	8.0407	143.3319	23.8647	8.7839	One of the sub-string is open circuit
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.4163	6.3754	104.6599	22.2923	7.0171	
Difference	11.1742	-0.6207	71.6681	12.1353	-0.4839	
Percentage Degradation	38.5319	-8.3654	33.334	33.709	-5.8305	



Module Number: BR35S8L2L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.714	5.9182	152.1807	33.8941	7.9204	Increased shunt and series resistance
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.6822	4.7094	111.5295	31.6624	6.3501	
Difference	3.286	1.5018	62.8193	2.1059	0.3796	
Percentage Degradation	11.3311	20.2398	29.2183	5.8498	4.5739	
Module Number: BR35S4L2M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2405	4.7189	128.5447	34.5224	7.6773	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2862	3.8298	96.8419	32.4585	6.2735	
Difference	1.7595	2.7011	86.4553	1.4776	0.6227	
Percentage Degradation	6.0673	36.4032	40.2118	4.1044	7.502	

<b>Module Number: BR35S2L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.5196	6.1826	163.9614	34.6376	6.7371	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2081	5.7226	138.5342	32.1217	6.2876	
Difference	2.4804	1.2374	51.0386	1.3624	1.5629	
Percentage Degradation	8.5531	16.6759	23.7389	3.7844	18.8305	
<b>Module Number: BR34S1L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.9911	5.0504	151.4683	35.8836	6.8082	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.8937	4.7668	128.1983	32.7953	6.4891	
Difference	-0.9911	2.3696	63.5317	0.1164	1.4918	
Percentage Degradation	-3.4176	31.9348	29.5496	0.3232	17.9735	

<b>Module Number: BR34S5L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.5145	5.5164	102.1337	35.4423	5.8858	Cell performance is degraded or on
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.6249	5.1628	85.8311	32.4279	5.5621	
Difference	10.4855	1.9036	112.8663	0.5577	2.4142	
Percentage Degradation	36.1569	25.6548	52.496	1.5493	29.0862	
<b>Module Number: BR34S6L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4809	5.3463	146.9216	35.8717	6.9733	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.5402	5.0182	123.148	32.6729	6.612	
Difference	1.5191	2.0737	68.0784	0.1283	1.3267	
Percentage Degradation	5.2383	27.9472	31.6644	0.3564	15.9845	

<b>Module Number: BR33S1L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.1376	5.7396	167.2386	35.8986	6.7928	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.9063	5.4611	141.4761	32.581	6.5314	
Difference	-0.1376	1.6804	47.7614	0.1014	1.5072	
Percentage Degradation	-0.4746	22.6468	22.2146	0.2818	18.1587	
<b>Module Number: BR33S1L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.0808	5.5497	161.3898	35.9095	6.7102	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8462	5.3089	137.2148	32.581	6.4871	
Difference	-0.0808	1.8703	53.6102	0.0905	1.5898	
Percentage Degradation	-0.2787	25.2062	24.935	0.2514	19.1536	

<b>Module Number: BR33S1L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.7612	5.6891	152.2472	35.9005	6.7242	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.7644	5.4187	128.7732	32.5504	6.473	
Difference	2.2388	1.7309	62.7528	0.0995	1.5758	
Percentage Degradation	7.7201	23.3274	29.1873	0.2763	18.985	
<b>Module Number: BR33S2L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.6126	5.5107	152.1658	34.8826	6.3555	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0482	5.191	130.0243	32.1829	6.0397	
Difference	1.3874	1.9093	62.8342	1.1174	1.9445	
Percentage Degradation	4.7841	25.7313	29.2252	3.1039	23.4271	

<b>Module Number: BR33S3L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.5452	5.7024	162.7771	35.4768	7.1425	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.5422	5.2696	134.5965	32.3666	6.6665	
Difference	0.4548	1.7176	52.2229	0.5232	1.1575	
Percentage Degradation	1.5682	23.1479	24.2897	1.4533	13.9458	
<b>Module Number: BR33S3L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	29.2124	5.882	171.8269	35.8485	7.1403	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.0173	5.4597	142.0458	32.581	6.6967	
Difference	-0.2124	1.538	43.1731	0.1515	1.1597	
Percentage Degradation	-0.7325	20.728	20.0805	0.421	13.9723	

<b>Module Number: BR33S5L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.4223	6.1718	175.4171	35.8539	7.0518	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3381	5.7434	145.5268	32.6116	6.6302	
Difference	0.5777	1.2482	39.5829	0.1461	1.2482	
Percentage Degradation	1.9919	16.8221	18.4107	0.4059	15.0381	
<b>Module Number: BR33S7L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.3981	6.0751	111.7711	24.5443	7.2378	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.8406	5.2253	87.9966	22.8128	6.2755	
Difference	10.6019	1.3449	103.2289	11.4557	1.0622	
Percentage Degradation	36.5582	18.1248	48.0135	31.8213	12.7972	

<b>Module Number: BR33S7L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.5329	5.64	144.0054	34.6579	7.4061	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.6427	4.9193	116.3054	32.5198	6.5052	
Difference	3.4671	1.78	70.9946	1.3421	0.8939	
Percentage Degradation	11.9553	23.9894	33.0207	3.7281	10.7704	
<b>Module Number: BR33S8L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.8927	6.1764	172.2761	34.7103	7.5171	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7803	5.5434	142.9113	32.5198	6.7954	
Difference	1.1073	1.2436	42.7239	1.2897	0.7829	
Percentage Degradation	3.8184	16.7602	19.8716	3.5825	9.432	



Module Number: BR33S9L1U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.3623	5.717	156.4299	34.517	7.4231	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4332	5.0892	129.4357	32.4891	6.6523	
Difference	1.6377	1.703	58.5701	1.483	0.8769	
Percentage Degradation	5.6472	22.9517	27.2419	4.1194	10.5655	
Module Number: BR33S9L1M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.0547	6.2046	174.0682	34.6395	7.5952	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.9945	5.4081	140.5811	32.5198	6.6665	
Difference	0.9453	1.2154	40.9318	1.3605	0.7048	
Percentage Degradation	3.2598	16.3799	19.0381	3.7792	8.492	

<b>Module Number: BR33S9L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4638	6.3177	173.5075	34.7375	7.507	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.5631	5.5281	141.3154	32.7341	6.612	
Difference	1.5362	1.1023	41.4925	1.2625	0.793	
Percentage Degradation	5.2973	14.856	19.2988	3.5069	9.5548	
<b>Module Number: BR33S10L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9914	6.1748	172.8403	34.5847	6.7343	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.1048	5.4236	141.5832	32.6422	5.9531	
Difference	1.0086	1.2452	42.1597	1.4153	1.5657	
Percentage Degradation	3.4778	16.7823	19.6092	3.9313	18.8643	

<b>Module Number: BR32S2L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.8591	6.9533	165.8989	34.3276	7.964	Increased series resistance of module
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.9171	6.6207	145.1059	31.9992	7.6418	
Difference	5.1409	0.4667	49.1011	1.6724	0.336	
Percentage Degradation	17.7272	6.2902	22.8377	4.6455	4.0483	
<b>Module Number: BR32S1L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	15.5243	6.5981	102.4302	33.7434	7.519	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	14.2401	6.1884	88.1241	31.4174	7.1078	
Difference	13.4757	0.8219	112.5698	2.2566	0.781	
Percentage Degradation	46.4679	11.0774	52.3581	6.2682	9.4093	

<b>Module Number: BR31S5L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.6052	5.93	151.8381	34.0446	7.6448	Cell performance is degraded or snail
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.4275	5.5653	130.38	31.6317	7.2327	
Difference	3.3948	1.49	63.1619	1.9554	0.6552	
Percentage Degradation	11.7063	20.0812	29.3776	5.4317	7.8938	
<b>Module Number: BR30S10L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.411	6.1305	149.6513	33.0556	7.6371	Cell performance is degraded or Incre
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.8508	5.6614	129.3672	31.2949	7.0957	
Difference	4.589	1.2895	65.3487	2.9444	0.6629	
Percentage Degradation	15.8241	17.379	30.3947	8.179	7.9863	

<b>Module Number: BR30S8L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6251	5.9599	158.684	34.051	8.1254	Increased series resistance of module
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4987	5.5644	136.3202	31.7848	7.6438	
Difference	2.3749	1.4601	56.316	1.949	0.1746	
Percentage Degradation	8.1893	19.6774	26.1935	5.4138	2.1032	
<b>Module Number: BR30S8L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.4002	6.7493	178.182	34.0776	8.2196	Increased series resistance of module
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.1549	6.1522	148.6053	31.6624	7.5532	
Difference	2.5998	0.6707	36.818	1.9224	0.0804	
Percentage Degradation	8.9649	9.0395	17.1247	5.34	0.9683	

<b>Module Number: BR29S8L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.6685	6.9178	177.5695	34.4893	8.3292	Increased series resistance of module
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.5539	6.1397	144.6151	32.1217	7.4504	
Difference	3.3315	0.5022	37.4305	1.5107	-0.0292	
Percentage Degradation	11.4881	6.7681	17.4096	4.1963	-0.3517	
<b>Module Number: BR29S9L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.0109	7.2743	181.9379	34.11	8.1922	Low fill factor or hotspot formed over t
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.3153	6.7457	157.2773	32.1829	7.6459	
Difference	3.9891	0.1457	33.0621	1.89	0.1078	
Percentage Degradation	13.7555	1.963	15.3777	5.2499	1.2991	

<b>Module Number: BR29S10L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.282	7.2786	184.0166	34.098	8.0553	Low fill factor or hotspot formed over
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.4964	6.8226	160.307	32.0911	7.6015	
Difference	3.718	0.1414	30.9834	1.902	0.2447	
Percentage Degradation	12.8206	1.9062	14.4109	5.2834	2.9478	
<b>Module Number: BR29S10L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.2364	7.3452	185.3662	34.1977	8.1496	Low fill factor or hotspot formed over
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.4522	6.9335	162.6058	32.1829	7.7446	
Difference	3.7636	0.0748	29.6338	1.8023	0.1504	
Percentage Degradation	12.978	1.0081	13.7831	5.0064	1.812	

<b>Module Number: BR28S11L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.766	6.1352	170.3512	34.6503	7.1741	Cell performance degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7762	5.8097	149.752	32.581	6.8398	
Difference	1.234	1.2848	44.6488	1.3497	1.1259	
Percentage Degradation	4.2551	17.3148	20.7669	3.7493	13.5654	
<b>Module Number: BR28S11L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6455	6.156	164.0303	34.5929	7.0925	Cell performance degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6161	5.8817	144.7851	32.3973	6.8257	
Difference	2.3545	1.264	50.9697	1.4071	1.2075	
Percentage Degradation	8.119	17.0347	23.7068	3.9087	14.5479	



<b>Module Number: BR28S10L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4811	5.9397	163.2301	34.5411	6.8097	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3759	5.6138	142.4564	32.336	6.4831	
Difference	1.5189	1.4803	51.7699	1.4589	1.4903	
Percentage Degradation	5.2374	19.95	24.079	4.0526	17.9553	
<b>Module Number: BR28S10L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4661	6.1297	168.36	34.6801	6.8463	Cell performance degraded or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3547	5.7803	146.5571	32.4585	6.5032	
Difference	1.5339	1.2903	46.64	1.3199	1.4537	
Percentage Degradation	5.2893	17.389	21.693	3.6663	17.5148	

<b>Module Number: BR28S9L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.22	5.9845	162.8984	34.5132	6.9749	Cell performance degraded or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2174	5.6337	142.0676	32.3973	6.612	
Difference	1.78	1.4355	52.1016	1.4868	1.3251	
Percentage Degradation	6.138	19.3461	24.2333	4.1301	15.965	
<b>Module Number: BR28S9L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.8751	5.5936	155.923	34.5852	6.9605	Cell performance degraded or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6109	5.2407	134.2189	32.2442	6.5717	
Difference	1.1249	1.8264	59.077	1.4148	1.3395	
Percentage Degradation	3.879	24.6141	27.4777	3.9299	16.1391	

<b>Module Number: BR28S8L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.99	5.988	161.6156	34.5797	6.824	Cell performance degraded or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9746	5.6258	140.5017	32.4279	6.4569	
Difference	2.01	1.432	53.3844	1.4203	1.476	
Percentage Degradation	6.9311	19.2994	24.8299	3.9454	17.7826	
<b>Module Number: BR28S7L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4435	6.3263	173.6164	34.7486	7.2868	Cell performance degraded or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4182	5.935	150.8559	32.6116	6.8841	
Difference	1.5565	1.0937	41.3836	1.2514	1.0132	
Percentage Degradation	5.3673	14.7396	19.2482	3.4761	12.2067	

<b>Module Number: BR28S7L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2388	6.1109	166.4546	34.4694	6.9536	Cell performance degraded or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1867	5.7043	143.673	32.3054	6.5375	
Difference	1.7612	1.3091	48.5454	1.5306	1.3464	
Percentage Degradation	6.0732	17.6423	22.5793	4.2516	16.2218	
<b>Module Number: BR28S6L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1108	5.6057	151.9747	34.5073	6.0405	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8616	5.3625	133.3205	32.1217	5.8241	
Difference	1.8892	1.8143	63.0253	1.4927	2.2595	
Percentage Degradation	6.5146	24.4516	29.3141	4.1463	27.2232	

<b>Module Number: BR28S5L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.6182	7.4222	190.1426	34.3131	8.1053	Low fill factor or snail trails are formed
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.9841	6.9628	166.9974	32.4891	7.6499	
Difference	3.3818	-0.0022	24.8574	1.6869	0.1947	
Percentage Degradation	11.6613	-0.0291	11.5616	4.6859	2.3457	
<b>Module Number: BR28S4L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.9232	6.7827	182.611	34.8387	7.8015	Light cell performance degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6591	6.5215	160.8148	32.3973	7.5612	
Difference	2.0768	0.6373	32.389	1.1613	0.4985	
Percentage Degradation	7.1614	8.5894	15.0647	3.2258	6.0057	

<b>Module Number: BR28S4L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9371	5.5424	154.8391	34.5235	6.7173	Cell performance degraded or hotspot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.5453	5.2894	135.1192	32.0604	6.4629	
Difference	1.0629	1.8776	60.1609	1.4765	1.5827	
Percentage Degradation	3.6651	25.3044	27.9818	4.1013	19.0687	
<b>Module Number: BR28S1L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.6889	6.0744	168.1946	34.8981	7.018	Cell performance degraded or hotspot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4245	5.9384	150.9812	32.5198	6.9143	
Difference	1.3111	1.3456	46.8054	1.1019	1.282	
Percentage Degradation	4.5209	18.1343	21.7699	3.0609	15.4452	

Module Number: BR28S1L1U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	16.5969	5.4029	89.6719	28.1115	7.2622	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.1859	5.3214	80.8107	26.1199	7.2106	
Difference	12.4031	2.0171	125.3281	7.8885	1.0378	
Percentage Degradation	42.7693	27.1843	58.2921	21.9124	12.5036	
Module Number: BR27S5L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2674	5.8998	160.8713	34.6823	6.8404	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0538	5.7177	143.2512	32.336	6.6806	
Difference	1.7326	1.5202	54.1287	1.3177	1.4596	
Percentage Degradation	5.9745	20.4883	25.1761	3.6603	17.5861	

<b>Module Number: BR27S5L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.056	4.4508	120.4203	34.4552	6.9998	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8571	4.2431	105.472	32.1217	6.7249	
Difference	1.944	2.9692	94.5797	1.5448	1.3002	
Percentage Degradation	6.7035	40.0164	43.9906	4.2911	15.665	
<b>Module Number: BR27S6L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.1587	5.0263	126.4546	34.1649	6.5771	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.0285	4.7971	110.4707	31.7542	6.3279	
Difference	3.8413	2.3937	88.5454	1.8351	1.7229	
Percentage Degradation	13.2458	32.2605	41.1839	5.0975	20.7577	



<b>Module Number: BR27S7L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	21.6314	5.1554	111.5173	33.2817	7.0711	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	19.8668	4.9833	99.0015	31.0193	6.8881	
Difference	7.3686	2.2646	103.4827	2.7183	1.2289	
Percentage Degradation	25.4091	30.5208	48.1315	7.5508	14.8063	
<b>Module Number: BR26S11L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.6155	5.2044	148.9267	34.7783	5.8425	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8413	5.0623	130.8158	31.9686	5.7354	
Difference	0.3845	2.2156	66.0733	1.2217	2.4575	
Percentage Degradation	1.3258	29.8598	30.7318	3.3936	29.6086	

<b>Module Number: BR26S11L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.0186	6.0027	162.1846	34.8201	6.846	Cell performance degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6771	5.8728	144.9238	32.3054	6.7531	
Difference	1.9814	1.4173	52.8154	1.1799	1.454	
Percentage Degradation	6.8323	19.1011	24.5653	3.2774	17.5186	
<b>Module Number: BR26S11L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.657	5.8557	161.9508	34.8538	6.9245	Cell performance degraded or burn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0262	5.7777	144.5946	32.0911	6.8942	
Difference	1.343	1.5643	53.0492	1.1462	1.3755	
Percentage Degradation	4.6311	21.0823	24.674	3.1838	16.5725	

<b>Module Number: BR26S10L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2379	6.1723	174.2941	35.9596	6.7517	Cell performance degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7944	6.0536	150.0947	32.3054	6.6987	
Difference	0.7621	1.2477	40.7059	0.0404	1.5483	
Percentage Degradation	2.6279	16.8147	18.933	0.1121	18.6539	
<b>Module Number: BR26S9L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4612	6.168	169.3817	35.4418	6.7768	Cell performance degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4027	6.0239	146.9997	32.1523	6.6886	
Difference	1.5388	1.252	45.6183	0.5582	1.5232	
Percentage Degradation	5.3062	16.8728	21.2178	1.5506	18.3524	

<b>Module Number: BR26S8L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.2838	6.3863	116.7655	35.8135	7.2293	Cell performance degraded or burned
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.1909	6.2552	101.2777	32.3973	7.1582	
Difference	10.7162	1.0337	98.2345	0.1865	1.0707	
Percentage Degradation	36.9524	13.9315	45.6905	0.518	12.8996	
<b>Module Number: BR26S7L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.8664	4.7377	117.8089	34.1537	7.9457	Hotspot formed on the cells or burned
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.556	4.5344	102.2781	31.5093	7.6721	
Difference	4.1336	2.6823	97.1911	1.8463	0.3543	
Percentage Degradation	14.2538	36.15	45.2052	5.1287	4.2689	

<b>Module Number: BR26S6L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.7913	5.2335	134.98	35.1654	6.9345	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.2203	5.0412	117.0571	32.2442	6.743	
Difference	3.2087	2.1865	80.02	0.8346	1.3655	
Percentage Degradation	11.0644	29.467	37.2186	2.3184	16.4513	
<b>Module Number: BR26S5L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.1754	5.526	139.118	34.3826	6.6646	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.9466	5.3106	121.8615	31.8461	6.4589	
Difference	3.8246	1.894	75.882	1.6174	1.6354	
Percentage Degradation	13.1884	25.5262	35.294	4.4927	19.7042	

<b>Module Number: BR26S4L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	15.9283	7.7858	124.0145	35.9069	8.5638	Burned cells or small hole observed
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	14.223	7.4361	105.7636	32.7035	8.2625	
Difference	13.0717	-0.3658	90.9855	0.0931	-0.2638	
Percentage Degradation	45.0749	-4.93	42.3189	0.2587	-3.1785	
<b>Module Number: BR26S2L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6128	5.449	145.0122	35.8632	8.3433	Hotspot formed on the cells or snail t
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.7719	5.0931	121.0716	32.6729	7.8776	
Difference	2.3872	1.971	69.9878	0.1368	-0.0433	
Percentage Degradation	8.2316	26.5639	32.5525	0.38	-0.5215	

Module Number: BR26S1L4U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.6707	6.425	177.7836	35.8793	7.9552	Hotspot formed on the cells or snail tr
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.5615	6.0566	148.76	32.5198	7.5794	
Difference	1.3293	0.995	37.2164	0.1207	0.3448	
Percentage Degradation	4.5839	13.4099	17.3099	0.3352	4.1542	
Module Number: BR26S1L2M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.7576	6.2123	178.6496	35.9278	7.828	Light cell performance degraded or h
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.5135	5.9969	153.0026	32.5504	7.6378	
Difference	0.2424	1.2077	36.3504	0.0722	0.472	
Percentage Degradation	0.8358	16.2769	16.9072	0.2005	5.6873	

<b>Module Number: BR25S1L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.7371	5.5343	147.9697	33.8188	7.7897	Light cell performance degraded or broken
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2555	5.3547	129.8803	31.203	7.6035	
Difference	2.2629	1.8857	67.0303	2.1812	0.5103	
Percentage Degradation	7.8032	25.4144	31.1769	6.059	6.1484	
<b>Module Number: BR25S1L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.9684	6.4033	166.2828	34.0054	7.909	Light cell performance degraded or broken
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.4845	6.1133	143.5686	31.2949	7.6197	
Difference	3.0316	1.0167	48.7172	1.9946	0.391	
Percentage Degradation	10.4538	13.7025	22.6592	5.5405	4.7107	



Module Number: BR25S9L2U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.0812	5.8502	164.2817	34.6358	7.3479	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7842	5.6615	145.9771	32.2748	7.1662	
Difference	0.9188	1.5698	50.7183	1.3642	0.9521	
Percentage Degradation	3.1683	21.1558	23.5899	3.7896	11.4711	
Module Number: BR25S9L3U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.9249	5.7665	155.2613	34.617	7.323	Cell performance degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7102	5.5535	137.2282	32.2442	7.1078	
Difference	2.0751	1.6535	59.7387	1.383	0.977	
Percentage Degradation	7.1557	22.2848	27.7855	3.8418	11.7712	

<b>Module Number: BR25S10L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2819	5.8687	154.2402	34.0089	6.7718	Cell performance degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4182	5.6155	137.1194	31.9992	6.5234	
Difference	2.7181	1.5513	60.7598	1.9911	1.5282	
Percentage Degradation	9.3729	20.9071	28.2604	5.5308	18.4121	
<b>Module Number: BR25S11L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	16.1094	6.4719	104.2589	33.0843	7.2267	Cell performance is degraded or o
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.0281	6.0937	91.576	31.2337	6.8478	
Difference	12.8906	0.9481	110.7411	2.9157	1.0733	
Percentage Degradation	44.4504	12.7772	51.5075	8.0992	12.9313	

<b>Module Number: BR25S11L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.7759	4.5884	109.0937	33.95	6.9489	Cell performance degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.0593	4.3124	95.128	31.9073	6.5758	
Difference	5.2241	2.8316	105.9063	2.05	1.3511	
Percentage Degradation	18.014	38.1616	49.2587	5.6945	16.2783	
<b>Module Number: BR25S11L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.0991	6.1662	105.4364	34.3382	6.7259	Cell performance is degraded or on
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.8112	5.8792	92.9574	32.1829	6.4589	
Difference	11.9009	1.2538	109.5636	1.6618	1.5741	
Percentage Degradation	41.0375	16.8977	50.9598	4.6161	18.9648	

<b>Module Number: BR24S12L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.7219	6.8033	181.798	34.4962	8.0992	Hotspot formed over the cells or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.4008	6.5193	159.0754	31.9992	7.8252	
Difference	2.2781	0.6167	33.202	1.5038	0.2008	
Percentage Degradation	7.8555	8.3109	15.4428	4.1771	2.4197	
<b>Module Number: BR25S6L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.1984	6.3441	166.2037	33.7543	7.7795	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.1074	6.0494	145.8362	31.5093	7.4746	
Difference	2.8016	1.0759	48.7963	2.2457	0.5205	
Percentage Degradation	9.6609	14.5006	22.696	6.2382	6.2717	

<b>Module Number: BR24S5L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.5582	5.9227	157.2959	34.0068	7.8073	Increased shunt and series resistance
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.1888	5.6938	137.7258	31.4786	7.5693	
Difference	2.4418	1.4973	57.7041	1.9932	0.4927	
Percentage Degradation	8.4201	20.1794	26.8391	5.5366	5.9365	
<b>Module Number: BR24S3L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.3115	5.3941	98.7737	33.2844	7.5328	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.9577	5.2447	88.9382	31.2337	7.3758	
Difference	10.6885	2.0259	116.2263	2.7156	0.7672	
Percentage Degradation	36.8567	27.3037	54.0588	7.5434	9.2431	

<b>Module Number: BR23S1L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.7463	6.6854	158.7543	34.6002	8.7005	Increased series resistance or hotspot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.9824	6.5811	144.6689	32.4585	8.6253	
Difference	5.2537	0.7346	56.2457	1.3998	-0.4005	
Percentage Degradation	18.1163	9.8997	26.1608	3.8884	-4.8249	
<b>Module Number: BR23S1L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6888	6.2264	166.176	34.2321	7.111	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8289	6.1125	151.766	32.2442	7.0272	
Difference	2.3112	1.1936	48.824	1.7679	1.189	
Percentage Degradation	7.9697	16.0858	22.7088	4.9108	14.3252	

<b>Module Number: BR23S2L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9676	5.6828	158.9357	34.4296	7.0294	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.897	5.6024	145.0867	32.3054	6.9788	
Difference	1.0324	1.7372	56.0643	1.5704	1.2706	
Percentage Degradation	3.5599	23.4118	26.0764	4.3623	15.3084	
<b>Module Number: BR23S2L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6221	5.8224	155.0047	34.071	6.5471	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7943	5.6764	140.7418	32.1217	6.4246	
Difference	2.3779	1.5976	59.9953	1.929	1.7529	
Percentage Degradation	8.1998	21.5308	27.9048	5.3582	21.1194	

Module Number: BR23S2L4M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.1326	6.8765	179.7001	34.8121	7.7011	Light cell performance is degraded or snai
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.0952	6.6786	160.9214	32.5504	7.535	
Difference	2.8674	0.5435	35.2999	1.1879	0.5989	
Percentage Degradation	9.8877	7.325	16.4186	3.2999	7.2151	
Module Number: BR23S3L1M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2895	6.3256	166.2972	34.4583	7.3042	Cell performance is degraded or snai
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.3184	6.0946	148.2108	32.3054	7.0876	
Difference	2.7105	1.0944	48.7028	1.5417	0.9958	
Percentage Degradation	9.3467	14.749	22.6525	4.2824	11.9981	



<b>Module Number: BR23S6L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1517	5.4303	147.4418	34.0148	5.9281	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3383	5.1894	131.4894	32.1217	5.7011	
Difference	1.8483	1.9897	67.5582	1.9852	2.3719	
Percentage Degradation	6.3734	26.8154	31.4224	5.5143	28.5766	
<b>Module Number: BR23S8L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.139	5.9054	160.2663	34.2432	6.6545	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3543	5.7512	145.8185	32.3666	6.5214	
Difference	1.861	1.5146	54.7337	1.7568	1.6455	
Percentage Degradation	6.4172	20.4126	25.4575	4.8801	19.8255	

<b>Module Number: BR23S8L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.0458	5.6186	157.5774	34.4929	6.8975	Cell performance is degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.0609	5.5147	143.7171	32.4585	6.8156	
Difference	0.9542	1.8014	57.4226	1.5071	1.4025	
Percentage Degradation	3.2903	24.2781	26.7082	4.1865	16.8976	
<b>Module Number: BR23S9L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.1373	6.071	104.0406	34.2121	6.6491	Cell performance is degraded or one
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.8808	5.9916	95.1519	32.1217	6.608	
Difference	11.8627	1.349	110.9594	1.7879	1.6509	
Percentage Degradation	40.9058	18.1806	51.609	4.9665	19.8903	

<b>Module Number: BR23S9L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1887	5.9298	161.2228	34.6032	6.6221	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9644	5.8624	146.352	32.2442	6.5979	
Difference	1.8113	1.4902	53.7772	1.3968	1.6779	
Percentage Degradation	6.2459	20.0839	25.0127	3.8801	20.2151	
<b>Module Number: BR23S10L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2328	5.5237	150.4262	34.1172	6.7727	Cell performance is degraded or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2627	5.4521	137.7339	32.0604	6.7309	
Difference	1.7672	1.8963	64.5738	1.8828	1.5273	
Percentage Degradation	6.0939	25.5563	30.0343	5.23	18.4008	

<b>Module Number: BR23S11L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	22.3192	6.8039	151.8589	34.2743	8.4418	Increased series resistance of the c
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	20.8046	6.7361	140.1417	32.336	8.4117	
Difference	6.6808	0.6161	63.1411	1.7257	-0.1418	
Percentage Degradation	23.0372	8.3026	29.368	4.7936	-1.7088	
<b>Module Number: BR23S12L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.3269	5.6179	131.049	34.0007	8.112	Increased series resistance of the c
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.7295	5.5339	120.2498	32.0604	8.0429	
Difference	5.6731	1.8021	83.951	1.9993	0.188	
Percentage Degradation	19.5626	24.2865	39.047	5.5537	2.2645	

Module Number: BR23S12L1U						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.4141	7.4221	173.7817	35.7737	8.5549	Increased series resistance of the c
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.2192	7.3511	155.9846	32.9791	8.5487	
Difference	5.5859	-0.0021	41.2183	0.2263	-0.2549	
Percentage Degradation	19.2617	-0.0282	19.1713	0.6285	-3.0706	
Module Number: BR22S12L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.0894	6.5531	170.9673	34.6855	7.1637	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.0793	6.4546	155.4224	32.4585	7.1078	
Difference	2.9106	0.8669	44.0327	1.3145	1.1363	
Percentage Degradation	10.0366	11.6827	20.4803	3.6514	13.69	

<b>Module Number: BR22S12L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.7611	5.8958	157.7781	34.4236	6.4056	Cell performance is degraded or s
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.5851	5.8348	143.4483	32.0911	6.3883	
Difference	2.2389	1.5242	57.2219	1.5764	1.8944	
Percentage Degradation	7.7203	20.5418	26.6148	4.3789	22.8245	
<b>Module Number: BR22S11L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.4714	5.9836	158.3933	34.2842	6.6461	Cell performance is degraded or s
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.3542	5.8179	141.6896	31.9992	6.5113	
Difference	2.5286	1.4364	56.6067	1.7158	1.6539	
Percentage Degradation	8.7194	19.3589	26.3287	4.766	19.9265	

<b>Module Number: BR22S11L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.529	5.9198	157.046	34.1613	6.6447	Cell performance is degraded or sn
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.5142	5.745	140.8334	31.9992	6.4952	
Difference	2.471	1.5002	57.954	1.8387	1.6553	
Percentage Degradation	8.5207	20.2185	26.9554	5.1076	19.943	
<b>Module Number: BR22S11L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.7195	5.6251	150.2987	33.942	6.6097	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7685	5.4622	135.2893	31.8767	6.4629	
Difference	2.2805	1.7949	64.7013	2.058	1.6903	
Percentage Degradation	7.8638	24.1906	30.0936	5.7165	20.3652	

Module Number: BR22S10L2L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.1912	5.9263	155.2181	34.9022	8.1934	Hotspot formed on the cells or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.1285	5.7409	138.5181	32.6116	7.9965	
Difference	2.8088	1.4937	59.7819	1.0978	0.1066	
Percentage Degradation	9.6855	20.1301	27.8055	3.0493	1.2839	
Module Number: BR22S9L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.5655	5.6458	149.9824	34.0091	6.5083	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7103	5.4999	135.9033	32.0298	6.3823	
Difference	2.4345	1.7742	65.0176	1.9909	1.7917	
Percentage Degradation	8.3947	23.9117	30.2408	5.5304	21.5868	



<b>Module Number: BR22S8L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	13.8396	6.3674	88.1224	25.9835	8.3803	One of the end of sub-string is open
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	12.6938	6.2622	79.4917	24.1908	8.3069	
Difference	15.1604	1.0526	126.8776	10.0165	-0.0803	
Percentage Degradation	52.2771	14.1861	59.0128	27.8236	-0.967	
<b>Module Number: BR22S8L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.5993	5.3794	143.0874	35.1595	8.1496	Hotspot formed on the cells or low fil
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2584	5.2846	128.195	32.581	8.0731	
Difference	2.4007	2.0406	71.9126	0.8405	0.1504	
Percentage Degradation	8.2782	27.5018	33.4477	2.3347	1.8116	

<b>Module Number: BR22S7L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	19.0468	4.0451	77.0456	32.5016	6.2931	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	17.5522	3.8817	68.132	30.3763	6.084	
Difference	9.9532	3.3749	137.9544	3.4984	2.0069	
Percentage Degradation	34.3214	45.4842	64.1648	9.7179	24.1794	
<b>Module Number: BR22S6L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.5934	5.8129	148.7722	34.7158	7.4273	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	23.4069	5.1112	119.6374	32.2442	6.5838	
Difference	3.4066	1.6071	66.2278	1.2842	0.8727	
Percentage Degradation	11.7468	21.659	30.8036	3.5673	10.5149	

<b>Module Number: BR22S5L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.3279	5.4266	142.8714	33.8411	6.0667	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7226	5.115	126.457	32.1217	5.7515	
Difference	2.6721	1.9934	72.1286	2.1589	2.2333	
Percentage Degradation	9.2143	26.8649	33.5482	5.9968	26.9077	
<b>Module Number: BR22S4L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.9296	7.2976	189.2251	34.425	8.0563	Good Module
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.1799	6.878	166.3092	32.4891	7.6418	
Difference	3.0704	0.1224	25.7749	1.575	0.2437	
Percentage Degradation	10.5875	1.6491	11.9883	4.375	2.9361	

<b>Module Number: BR22S2L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6827	5.6146	149.8124	33.7204	6.0869	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9029	5.3235	132.5699	31.8461	5.808	
Difference	2.3173	1.8054	65.1876	2.2796	2.2131	
Percentage Degradation	7.9909	24.3315	30.3198	6.3321	26.6638	
<b>Module Number: BR22S2L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.695	5.9346	164.3597	34.6667	7.0322	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4901	5.7389	146.2853	32.3666	6.8519	
Difference	1.305	1.4854	50.6403	1.3333	1.2678	
Percentage Degradation	4.5	20.0184	23.5536	3.7037	15.2746	

Module Number: BR21S1L1M						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.9075	5.501	142.5169	33.0437	8.0078	Increased shunt and series resistance
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.0604	5.0231	120.8568	31.0806	7.3617	
Difference	3.0925	1.919	72.4831	2.9563	0.2922	
Percentage Degradation	10.6638	25.8627	33.7131	8.2118	3.5204	
Module Number: BR21S1L1L						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.5632	6.087	161.6902	34.0603	7.8888	Increased shunt and series resistance
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2044	5.5756	134.955	31.5399	7.2872	
Difference	2.4368	1.333	53.3098	1.9397	0.4112	
Percentage Degradation	8.4027	17.965	24.7952	5.3881	4.9545	

<b>Module Number: BR21S10L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.9344	5.9111	153.2997	33.5837	7.6479	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2958	5.6899	138.2398	31.8155	7.406	
Difference	3.0656	1.5089	61.7003	2.4163	0.6521	
Percentage Degradation	10.5711	20.3361	28.6978	6.7118	7.8562	
<b>Module Number: BR21S11L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2671	5.5493	145.7649	33.4952	7.5509	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6864	5.347	131.9991	31.8155	7.3174	
Difference	2.7329	1.8707	69.2351	2.5048	0.7491	
Percentage Degradation	9.424	25.211	32.2024	6.9578	9.0247	

<b>Module Number: BR21S12L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.0114	5.1301	133.441	33.7016	7.6507	Cell performance is degraded or h
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.463	4.9528	121.1615	32.0298	7.4282	
Difference	2.9886	2.2899	81.559	2.2984	0.6493	
Percentage Degradation	10.3055	30.8612	37.9344	6.3844	7.823	
<b>Module Number: BR20S12L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.9168	4.9687	138.709	34.4289	7.1182	Cell performance is degraded or h
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.089	4.7769	124.6236	32.5504	6.8861	
Difference	1.0832	2.4513	76.291	1.5711	1.1818	
Percentage Degradation	3.7352	33.037	35.4842	4.3643	14.2385	

<b>Module Number: BR20S12L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.5053	5.9547	151.8755	33.8856	6.9395	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2163	5.7102	138.2799	32.4585	6.6866	
Difference	3.4947	1.4653	63.1245	2.1144	1.3605	
Percentage Degradation	12.0508	19.7484	29.3602	5.8735	16.3917	
<b>Module Number: BR20S11L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.1453	5.4885	148.9874	33.7534	6.8407	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7479	5.247	135.0996	32.3054	6.5717	
Difference	1.8547	1.9315	66.0126	2.2466	1.4593	
Percentage Degradation	6.3955	26.0308	30.7035	6.2407	17.5822	



<b>Module Number: BR20S10L4U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.7928	5.6356	156.6287	35.0542	8.5036	Hotspot formed over the cells or bu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7311	5.4149	139.3299	32.8872	8.2283	
Difference	1.2072	1.7844	58.3713	0.9458	-0.2036	
Percentage Degradation	4.1628	24.0487	27.1494	2.6272	-2.4532	
<b>Module Number: BR20S10L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	16.1072	5.8653	94.4738	24.2765	8.223	One of the sub-string is open circuit
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	15.1125	5.6719	85.7164	23.0272	7.9985	
Difference	12.8928	1.5547	120.5262	11.7235	0.077	
Percentage Degradation	44.4578	20.9528	56.0587	32.5653	0.9283	

<b>Module Number: BR20S10L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.8729	6.0317	162.0896	34.5689	8.0611	Hotspot formed over the cells or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1613	5.8124	146.2481	32.7341	7.8151	
Difference	2.1271	1.3883	52.9104	1.4311	0.2389	
Percentage Degradation	7.3349	18.71	24.6095	3.9753	2.8782	
<b>Module Number: BR20S8L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2946	5.0996	134.0915	33.6218	6.8427	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.0305	4.9007	122.6679	32.2748	6.606	
Difference	2.7054	2.3204	80.9085	2.3782	1.4573	
Percentage Degradation	9.3288	31.2726	37.6318	6.606	17.5581	

<b>Module Number: BR20S8L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	25.9573	6.4557	167.571	33.9753	7.682	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.8474	6.1918	153.8502	32.7647	7.398	
Difference	3.0427	0.9643	47.429	2.0247	0.618	
Percentage Degradation	10.4922	12.9966	22.06	5.6242	7.4463	
<b>Module Number: BR20S7L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2274	5.6835	149.0645	33.5434	7.0055	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9797	5.4443	135.9968	32.2135	6.741	
Difference	2.7726	1.7365	65.9355	2.4566	1.2945	
Percentage Degradation	9.5606	23.4024	30.6677	6.824	15.5965	

<b>Module Number: BR20S6L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.8953	5.5995	156.1997	34.2375	6.8869	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.7668	5.2396	135.0079	32.0604	6.4911	
Difference	1.1047	1.8205	58.8003	1.7625	1.4131	
Percentage Degradation	3.8093	24.5351	27.349	4.896	17.025	
<b>Module Number: BR20S6L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.0927	5.9251	166.4528	34.505	7.38	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.854	5.4613	141.1959	32.2135	6.8539	
Difference	0.9073	1.4949	48.5472	1.495	0.92	
Percentage Degradation	3.1286	20.1466	22.5801	4.1529	11.0845	

<b>Module Number: BR20S6L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.3468	5.8779	160.7406	33.9845	7.3919	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.6071	5.4379	139.249	32.1829	6.8801	
Difference	1.6532	1.5421	54.2594	2.0155	0.9081	
Percentage Degradation	5.7008	20.7835	25.2369	5.5987	10.9405	
<b>Module Number: BR20S5L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.6281	5.8936	156.9343	34.0152	6.287	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.7343	5.5542	137.3795	31.9992	5.9651	
Difference	2.3719	1.5264	58.0657	1.9848	2.013	
Percentage Degradation	8.179	20.572	27.0073	5.5133	24.2529	

<b>Module Number: BR20S3L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.7328	5.7045	152.4973	33.9727	6.798	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.956	5.3254	132.9003	32.0911	6.3863	
Difference	2.2672	1.7155	62.5027	2.0273	1.502	
Percentage Degradation	7.8179	23.12	29.071	5.6314	18.097	
<b>Module Number: BR20S3L4M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.4421	3.948	104.3938	34.0465	6.9885	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.5911	3.697	90.9138	32.0604	6.5879	
Difference	2.5579	3.472	110.6062	1.9535	1.3115	
Percentage Degradation	8.8204	46.7922	51.4447	5.4264	15.8007	

<b>Module Number: BR20S1L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.1113	5.486	143.2465	33.8704	7.4957	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2952	5.1005	123.9177	31.9073	7.0151	
Difference	2.8887	1.934	71.7535	2.1296	0.8043	
Percentage Degradation	9.9611	26.0646	33.3737	5.9155	9.691	
<b>Module Number: BR20S1L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4925	5.608	154.1795	34.1317	7.195	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.4609	5.2097	132.6431	32.0298	6.7309	
Difference	1.5075	1.812	60.8205	1.8683	1.105	
Percentage Degradation	5.1981	24.4198	28.2886	5.1897	13.3133	

<b>Module Number: BR20S1L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	17.8776	5.907	105.6031	23.2709	6.9001	One of the sub-string is open circuit
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	16.1849	5.5072	89.1338	21.4349	6.4911	
Difference	11.1224	1.513	109.3969	12.7291	1.3999	
Percentage Degradation	38.3533	20.3905	50.8823	35.3585	16.8657	
<b>Module Number: BR19S1L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4854	6.3954	175.7796	34.57	7.4329	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1203	5.4021	135.7021	32.0911	6.3299	
Difference	1.5146	1.0246	39.2204	1.43	0.8671	
Percentage Degradation	5.2226	13.809	18.242	3.9722	10.4473	



<b>Module Number: BR19S1L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.1825	6.1841	161.916	34.1048	7.3619	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2991	5.1449	125.0161	32.0604	6.1667	
Difference	2.8175	1.2359	53.084	1.8952	0.9381	
Percentage Degradation	9.7156	16.6559	24.6902	5.2645	11.3025	
<b>Module Number: BR19S2L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	14.2344	6.2084	88.3724	32.4193	7.3057	One of the end of sub-string is open
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	13.2386	5.0968	67.475	30.5294	6.0377	
Difference	14.7656	1.2116	126.6276	3.5807	0.9943	
Percentage Degradation	50.9158	16.3293	58.8965	9.9463	11.979	

<b>Module Number: BR10S3L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.0581	7.0138	161.7248	32.8821	8.2082	Hotspot formed over the cells or low fi
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.5163	5.7168	123.0046	31.0499	6.733	
Difference	5.9419	0.4062	53.2752	3.1179	0.0918	
Percentage Degradation	20.4894	5.4743	24.7792	8.6608	1.1057	
<b>Module Number: BR19S4L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.8477	6.8791	170.9295	33.4263	8.3444	Hotspot formed over the cells or low fi
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.9191	5.5874	128.0584	31.2643	6.8277	
Difference	4.1523	0.5409	44.0705	2.5737	-0.0444	
Percentage Degradation	14.3184	7.2898	20.4979	7.1492	-0.5348	

<b>Module Number: BR19S6L2U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	22.2292	7.2534	161.2368	33.7475	8.3704	Hotspot formed over the cells or low f
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	20.581	5.8646	120.7002	31.6624	6.8156	
Difference	6.7708	0.1666	53.7632	2.2525	-0.0704	
Percentage Degradation	23.3477	2.2455	25.0061	6.2568	-0.8481	
<b>Module Number: BR19S7L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.152	6.8133	184.9942	34.6967	7.3114	Cell performance is degraded or hots
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9639	5.5295	138.0373	32.3666	5.9793	
Difference	1.848	0.6067	30.0058	1.3033	0.9886	
Percentage Degradation	6.3725	8.1767	13.9562	3.6202	11.9112	

<b>Module Number: BR19S7L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.8412	5.9244	159.0182	34.4193	6.4251	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.6625	5.4064	133.3361	32.0911	5.9087	
Difference	2.1588	1.4956	55.9818	1.5807	1.8749	
Percentage Degradation	7.4441	20.1563	26.0381	4.3908	22.5888	
<b>Module Number: BR19S9L4L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.5291	5.5278	152.1766	34.1466	7.7312	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.5701	4.8432	123.8419	32.1217	6.8196	
Difference	1.4709	1.8922	62.8234	1.8534	0.5688	
Percentage Degradation	5.0721	25.5008	29.2202	5.1482	6.8532	

<b>Module Number: BR19S10L2L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	15.9346	4.4673	71.1848	32.9353	6.9648	Cell performance is degraded or ho module.
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	14.7511	3.8814	57.255	30.8968	6.0941	
Difference	13.0654	2.9527	143.8152	3.0647	1.3352	
Percentage Degradation	45.0532	39.7935	66.8908	8.513	16.0871	
<b>Module Number: BR19S10L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.2021	5.3939	146.725	34.0684	6.6027	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.2489	4.6585	117.6213	32.0298	5.7415	
Difference	1.7979	2.0261	68.275	1.9316	1.6973	
Percentage Degradation	6.1996	27.3062	31.7558	5.3656	20.4499	

<b>Module Number: BR19S11L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.8549	5.4381	146.0408	34.1435	6.3917	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.9466	4.709	117.4747	32.1217	5.5722	
Difference	2.1451	1.9819	68.9592	1.8565	1.9083	
Percentage Degradation	7.3969	26.7096	32.0741	5.1569	22.9921	
<b>Module Number: BR19S11L3U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.8893	5.4555	152.1491	34.4561	6.768	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.8598	4.7914	123.904	32.3666	5.9853	
Difference	1.1107	1.9645	62.8509	1.5439	1.532	
Percentage Degradation	3.83	26.4762	29.233	4.2886	18.4583	

<b>Module Number: BR19S12L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.133	5.3503	139.8198	34.3884	6.6907	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2055	4.6856	113.418	32.2748	5.9007	
Difference	2.867	2.0697	75.1802	1.6116	1.6093	
Percentage Degradation	9.886	27.8935	34.9675	4.4765	19.3891	
<b>Module Number: BR18S10L1U</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4597	5.7334	157.4387	34.4274	6.5422	Cell performance is degraded or ho
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.3994	5.0608	128.5423	32.2748	5.816	
Difference	1.5403	1.6866	57.5613	1.5726	1.7578	
Percentage Degradation	5.3112	22.73	26.7727	4.3683	21.178	

<b>Module Number: BR18S5L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	18.908	5.5793	105.4936	23.3461	6.6865	Cell performance is degraded or on
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	17.5267	5.0499	88.5086	21.9248	6.0941	
Difference	10.092	1.8407	109.5064	12.6539	1.6135	
Percentage Degradation	34.7999	24.8072	50.9332	35.1499	19.4403	
<b>Module Number: BR18S3L1M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	28.2664	5.9205	167.3499	34.2939	6.6059	Cell performance is degraded or hot
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.0875	4.6223	120.5849	32.0911	5.1953	
Difference	0.7336	1.4995	47.6501	1.7061	1.6941	
Percentage Degradation	2.5298	20.2094	22.1628	4.7391	20.4109	



<b>Module Number: BR18S2L3M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	26.2014	6.3488	166.348	33.3323	8.3803	Hotspot formed on the cells or temp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	24.2795	4.8744	118.3485	31.2949	6.479	
Difference	2.7986	1.0712	48.652	2.6677	-0.0803	
Percentage Degradation	9.6504	14.4363	22.6288	7.4102	-0.967	
<b>Module Number: BR18S2L2M</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	23.3704	7.5139	175.6033	33.7693	8.5103	Increased series resistance of modu
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	21.5952	5.7907	125.0505	31.6317	6.606	
Difference	5.6296	-0.0939	39.3967	2.2307	-0.2103	
Percentage Degradation	19.4125	-1.2659	18.3241	6.1963	-2.5339	

<b>Module Number: BR18S2L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	24.4505	7.5837	185.4239	35.0704	8.7866	Increased series resistance of modul
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	22.3678	5.8956	131.8707	32.581	6.8861	
Difference	4.5495	-0.1637	29.5761	0.9296	-0.4866	
Percentage Degradation	15.688	-2.2056	13.7563	2.5823	-5.8621	
<b>Module Number: BR16S1L1L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.4878	5.3608	147.3576	34.1041	8.0142	Hotspot formed over the cells or low
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	26.2219	4.4949	117.8648	32.7953	6.7491	
Difference	1.5122	2.0592	67.6424	1.8959	0.2858	
Percentage Degradation	5.2146	27.7514	31.4616	5.2664	3.444	

<b>Module Number: BR15S8L3L</b>						
Value	Vmp	Imp	Pmax	Voc	Isc	Remark
Translated to STC	27.5816	5.8802	162.1864	34.0571	7.6304	Cell performance is degraded or hotsp
Rated STC	29.0	7.42	215.0	36.0	8.3	
Measured	25.1949	4.7365	119.336	31.6011	6.1969	
Difference	1.4184	1.5398	52.8136	1.9429	0.6696	
Percentage Degradation	4.8909	20.7516	24.5644	5.397	8.068	