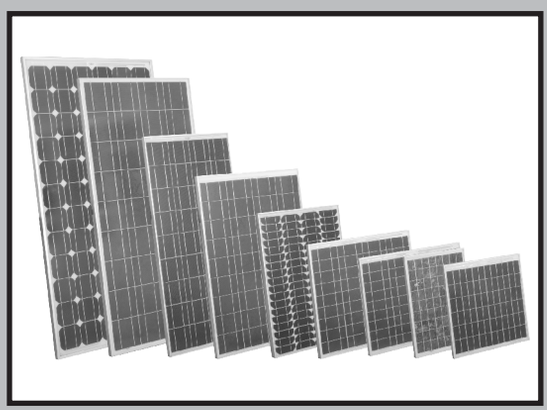
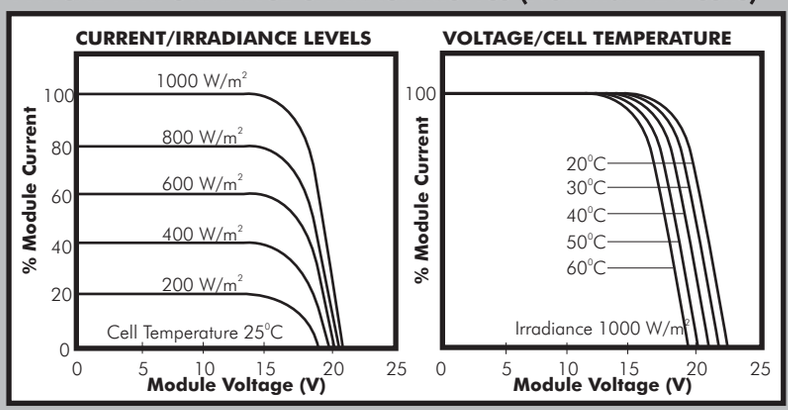
UPDATED

DAYLIFF

Photo Voltaic Solar Modules



TYPICAL PERFORMANCE CHARACTERISTICS (Nominal 12V Cells)



The heart of all effective photovoltaic systems is an efficient and reliable solar module and there are none better than Dayliff PV Modules. All are sourced directly from leading global PV module manufacturers who comply with the highest standards of quality and durability and offer the following features:-

•High efficiency multi/Mono crystalline solar cells with minimum 15% energy conversion rates to provide maximum power even at low irradiation levels

- High transmission rate tempered glass with an anti-reflection coating to increase the power output and provide mechanical strength.
- Multi function water proof junction box for easy connection.
- 25 year power output warranty.
- Global Certification.

Modules are sourced from world leading PV module manufacturers principally Trina, Yingli, Topray and Amerisolar who are all large scale vertically integrated manufacturers that process from silicon production to module assembly to ensure consistently high quality levels. Module types are recognised as quality products and are internationally certified by TUV Rheinland to ISO, CE and IEC standards as follows.

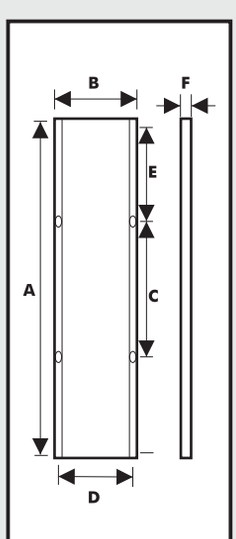
All Dayliff modules are manufactured to the highest standards and are guaranteed to provide reliable performance over long life spans. They are quality products in terms of both technology and performance and are ideal power sources for all types of solar applications.

THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature: 46+/-2°C
Temperature Coefficient Pmax.: -0.45%/°C
Temperature Coefficient Voc: -0.37%/°C
Temperature Coefficient Isc: 0.06%/°C

PV MODULE DATA

Model	Rated Power (W)	Nominal Voltage (V)	Peak Voltage (V)	Open Circuit Voltage (V)	Short Circuit Current (A)	Number of Cells	Dimensions (mm)						Weight (kg)
							A	B	C	D	E	F	
SL20P	20	12	18	21.6	1.2	36	496	495	296	350	100	23	2
SL40P	40	12	18	21.6	2.5	36	665	665	316	516	100	25	4
Sl50P	50	12	18	21.6	2.9	36	667	665	467	588	100	25	4
SL60P	60	12	18	21.6	3.7	36	689	667	467	665	100	25	5
TPS125P	125	12	17.5	21.5	7.4	36	1179	664	899	626.4	140	35	9
TPS160P	160	24	36	43.2	4.75	72	1486	664	1206	626.4	140	35	12
TPS 200P	200	24	36	44.5	5.6	144	1372	1002	1092	964	140	35	18
AS280P	280	24	31.8	39.0	9.48	60	1640	992	640	942	500	35	18
AS335P	335	24	37.5	46.1	9.44	72	1956	992	1556	942	200	35	21
LO350M	350	24	34.4	40.4	10.18	60	1755	1038	1300	997	228	35	20
YL400M	400	24	30.7	37.1	13.78	108	1722	1134	1300	1085	200	30	21
LO440M	440	24	41	49.2	10.73	72	2094	1038	1300	997	357	35	28
AS410M	410	24	31.4	37.6	13.82	108	1722	1134	860	1094	431	30	22
AS545M	545	24	41.6	49.8	13.9	144	2279	1134	1279	1084	500	35	29
TSM550M	550	24	41.6	49.8	14.02	144	2278	1134	1400	1095	439	30	28



Data is given at Standard Test Conditions: Irradiance 1000W/m², spectrum AM 1.5 and 25°C cell temperature
Suffix 'P' modules are Polycrystalline, Suffix 'M' Monocrystalline