

**charging**

S.no.	Pw(WTE)	Ps(PVE)	Pload(W)	P1(W)	Ibref(A)	Ibatt(A)	Vbatt(V)	Pbatt(W)	Pa(W)	Pgrid(W)
1	130	83	20	142	-0.2	-0.32	73.9	-23.648	117	97
2	130	83	20	142	-0.4	-0.51	74	-37.74	99	79
3	130	83	20	142	-0.6	-0.71	74	-52.54	86	66
4	130	83	20	142	-0.8	-1.11	74.1	-82.251	57	37
5	130	83	20	142	-1	-1.07	74.1	-79.287	61	41
6	130	83	20	142	-1.2	-1.28	74.2	-94.976	49	29
7	130	83	20	142	-1.4	-1.48	74.3	-109.964	28	8
8	130	83	20	142	-1.6	-1.67	74.3	-124.081	15	-5
9	130	83	20	142	-1.8	-1.85	74.4	-137.64	3	-17
10	130	83	20	142	-2	-2.05	74.5	-152.725	14	-6
11	130	83	20	142	-2.2	-2.24	74.6	-167.104	31	11

**Discharging**

S.no.	Pw(WTE)	Ps(PVE)	Pload(W)	P1(W)	Ibref(A)	Ibatt(A)	Vbatt(V)	Pbatt(W)	Pa(W)	Pgrid(W)
1	130	83	200	143	0	-0.11	74	-8.14	133	-67
2	130	83	200	143	0.5	0.36	73.9	26.604	167	-33
3	130	83	200	143	0.6	0.46	73.8	33.948	171	-29
4	130	83	200	143	0.7	0.56	73.8	41.328	181	-19
5	130	83	200	143	1	0.86	73.7	63.382	198	-2
6	130	83	200	143	1.5	1.36	73.6	100.096	229	29