MERLIN SOLARPLEX RIGID PANELS

Merlin's SolarPlex rigid solar panels are designed and built for strength, longevity and optimum performance in all weather conditions.

Merlin's SolarPlex Rigid Solar Panels cater to diverse energy requirements. Whether ensuring a consistent trickle feed of power to prevent battery drain in caravans, motorhomes, and boats or fostering energy self-sufficiency for off-grid travel, our panels offer a versatile and reliable solution for your unique energy needs. Boasting power ratings spanning from 5W to 200W, Merlin's SolarPlex Rigid Solar Panels are chosen by our customers for their reliability, performance and long life.

- **High efficiency**
  premium crystalline cell for "all-weather" charging and optimum performance.

- **Water resistant**
  with a robust construction for outdoor use.

- **In built diode**
  protects against battery discharge.

- **Expert precision design**
  for a neat finish and easy fitting.

- **Available in a variety of sizes**
  from 5W to 200W with a choice of top or rear cable entry for sizes 100W upwards.

POWER	SIZE (MM)	WEIGHT (KG)	WATTS PER DAY (W)	AMP HOURS PER DAY (A)	CHARGE CONTROLLER	VMP (VDC)	IMP (A)	VOC (V)	ISC (A)
5W	250 X 200 X 25	0.8	30	1.74	N/A	17.5	0.29	22	0.32
10W	397 X 280 X 25	1.3	60	3.48	N/A	17.5	0.58	22	0.64
20W	540 X 278 X 25	1.7	120	6.93	10Ah	17.5	1.15	22	1.27
30W	660 X 380 X 25	2.7	180	10.32	10Ah	17.5	1.72	22	1.9
45W	634 X 535 X 25	3.6	270	15.41	10Ah	17.5	2.58	22	2.86
60W	670 X 640 X 35	4.5	360	20.94	10Ah	17.5	3.49	22	3.97
60W (R)	1060 X 350 X 35	4.6	360	20.94	10Ah	17.5	3.49	22	3.97
80W	836 X 670 X 35	6.7	480	27.91	10Ah	17.5	4.65	22	5.12
100W	1150 X 460 X 35	6.9	600	31.92	10Ah	18.8	5.32	22.2	5.64
125W	988 X 670 X 35	7.5	750	23.52	10Ah	31.9	3.92	37.6	4.15
150W	1150 X 670 X 35	6.9	900	47.88	10Ah	18.8	7.98	22.2	8.46
200W	1520 X 670 X 35	11.8	1200	48	20Ah	25.0	8.00	29.5	8.48

Merlin's SolarPlex Rigid Panels can be supplied in a variety of ways, see what is included in each kit below:

- **Panel only**
  Contents: Solar panel, 4m cable, fuses and ring terminals, instruction sheet. (Can be upgraded to include a controller).
- **Bulk Pack**
  QTY of solar panels stated below.

POWER	ENTRY	CONTROLLER	PANEL ONLY	BULK PACK	BULK PACK QTY
5 Watt	TOP	NO CONTROLLER	07-1301	07-1401	5
10 Watt	TOP	NO CONTROLLER	07-1302	07-1402	5
20 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1303 07-1304	07-1403 N/A	5 N/A
30 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1305 07-1306	07-1404 N/A	5 N/A
45 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1307 07-1308	07-1405 N/A	5 N/A
60 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1309 07-1310	07-1406 N/A	5 N/A
80 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1311 07-1312	07-1407 N/A	2 N/A
100 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1313 07-1314	07-1408 N/A	2 N/A
125 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1315 07-1316	07-1409 N/A	2 N/A
150 Watt	TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1317 07-1318	07-1410 N/A	2 N/A
200 Watt	TOP	NO CONTROLLER 20A DUAL CONTROLLER	07-1319 07-1320	07-1411 N/A	2 N/A