

MERLIN SOLARPLEX MONO HIGH DENSITY RIGID PANELS

Manufactured using the latest solar cell technology to create super efficient power generation, Merlin's Mono High Density (MHD) Rigid Solar Panels are the perfect choice for a wide variety of energy needs ranging from continuous trickle feed of power to prevent battery drain in caravans, motorhomes, and boats to creating energy self-sufficiency for off-grid travel.

With industry-leading guarantees, Merlin's MHD SolarPlex range incorporate innovative solar cell technology that eliminates spacing in the panels by overlapping the small cells. In addition, the passive rear solar cell contact replaces the conventional electrical ribbon seen on the surface of most other panels. As a result, more sunlight is captured by the cells and shading losses and hotspots are reduced. So, the higher energy density creates more power in a smaller space.

Certified and tested to ASTM B117-ISO 9227 standards in an independent laboratory, Merlin MHD SolarPlex panels have been tested in extreme conditions, more hostile than a solar panel will likely encounter even in the wildest oceans. This is to guarantee that Merlin's MHD SolarPlex are the perfect choice for those seeking durability and exceptional performances.

- **Exceptional technology**
used within the MHD panels allows more sunlight to be captured by the cells, minimising shading losses and hotspots.
- **Completely IP67 waterproof**
protecting the solar cell circuit from extreme conditions.
- **Expert design**
featuring a sturdy, black aluminium frame, our MHD rigid panels are nearly 20% smaller in size and lighter in weight than conventional rigid polycrystalline solar panels.
- **Easy installation**
thanks to custom black anodised aero brackets, designed to securely mount on the roof of caravans, motorhomes, campervans, or boat decks with minimal effort
- **Available in a variety of sizes**
from 100w to 200w with a choice of top or rear cable entry.

MERLIN
POWER



POWER	SIZE (MM)	WEIGHT (KG)	WATTS PER DAY (W)	AMP HOURS PER DAY (A)	CHARGE CONTROLLER	VMP (VDC)	IMP (A)	VOC (V)	ISC (A)
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	18.8	22.2	8.46
200W	1520 X 670 X 35	11.8	1200	48	20Ah	25	8	29.5	8.48

- Panel only

Contents: Solar panel, 4m cable, fuse and fuseholder, instruction sheet. (Can be upgraded to include a controller).

POWER	ENTRY	CONTROLLER	PANEL ONLY
100 Watt	TOP TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1313 07-1314
125 Watt	TOP TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1315 07-1316
150 Watt	TOP TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1317 07-1318
200 Watt	TOP TOP	NO CONTROLLER 10A DUAL CONTROLLER	07-1319 07-1320