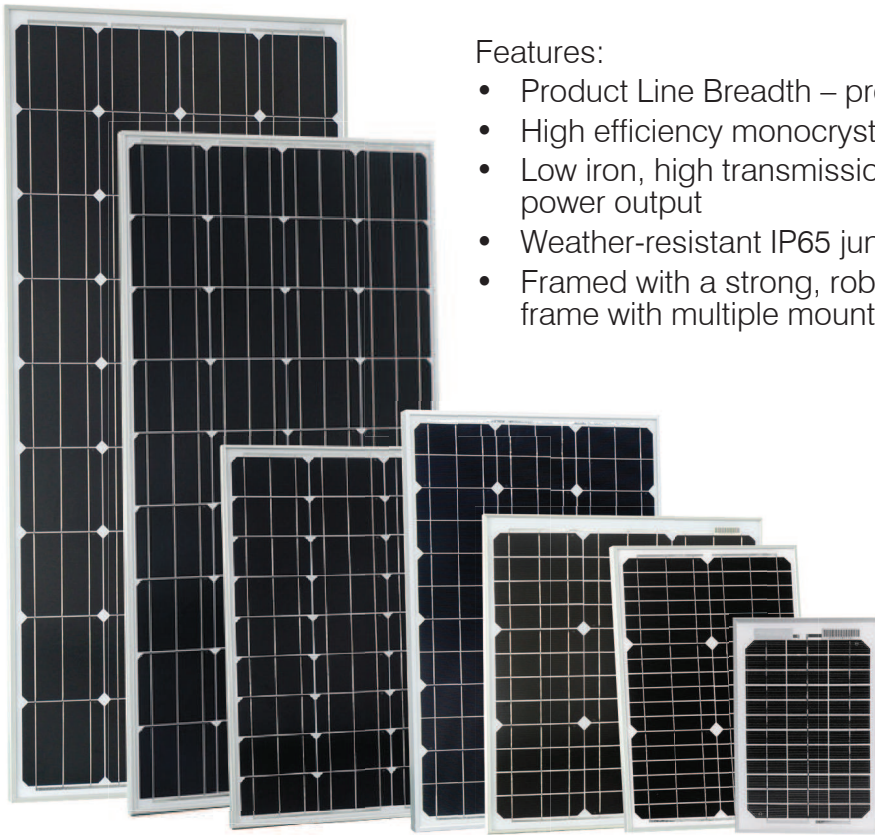


Solawatt Small Area 12V Solar Modules

These modules are the ideal solution for industrial power applications as well as 4WD, camping, caravanning, boating and recreational activities wherever power is required for lights, small TV, camping fridge, pump or other small appliances.



Features:

- Product Line Breadth – products range from 5 watts to 160 watts
- High efficiency monocrystalline silicon solar cells.
- Low iron, high transmission glass is used for strength and high-power output
- Weather-resistant IP65 junction box
- Framed with a strong, robust and corrosion-resistant aluminium frame with multiple mounting holes for ease of installation

Applications

- Stand-Alone Power Systems
- Telecommunications
- Telemetry
- Caravans, campervans, boats
- Electric fence energisers
- Battery maintenance
- Outdoor lighting
- Water Pumping

Model	SW-M5W	SW-M10W	SW-M20W	SW-M30W	SW-M40W	SW-M50W	SW-M60W	SW-M80W	SW-M105W	SW-M160W
Nominal Peak Power Watts	5	10	20	30	40	50	60	80	105	160
Cell type	Monocrystalline									
Cells per module	3*12	4*9	2*18	2*18	3*12	3*12	3*12	4*9	4*9	4*9
Module size (mm) L x W	250 x 185	335 x 235	430 x 345	605 x 345	550 x 505	650 x 505	770 x 505	770 x 670	1200 x 540	1475 x 670
Frame depth (mm)	25mm Note: Junction box protrudes beyond frame by ~2mm						30		35	
Maximum Power Voltage Vmp (V)	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.5	17.8
Maximum Power Current Imp (A)	0.28	0.56	1.12	1.69	2.25	2.81	3.37	4.49	6.00	8.99
Open circuit voltage Voc (V)	22.3	22.3	22.3	22.3	21.6	21.6	22.3	22.3	21.6	22.3
Short circuit current Isc (A)	0.30	0.61	1.21	1.82	2.43	3.03	3.64	4.85	6.84	9.71
Power Output Tolerance-Pmax(%)	+/-3%									
Operating temperature	-40 to +85°C									
Max system voltage	1000V DC									
Net Weight (kg)	1kg	1.2kg	2kg	2.5kg	3.2kg	4.6kg	5kg	6kg	9kg	12kg
Junction box IP rating	IP65									
Diode	1 bypass diode						2 bypass diodes			
Connection	Openable junction box, no cable				Waterproof junction box; 2 x 0.9m long 2.5mm ² cables; with male & female connector			Waterproof junction box; 2 x 0.9m long 4mm ² cables; with male & female connector		
Accessories	Pair of connectors only; SW cables 1M, 4M, 12M fitted with male & female connector									
Warranty	Workmanship and materials: 5 years. Power output: at least 90% after 10 years and more than 80% after 25 years.									
Specifications subject to change without notice										