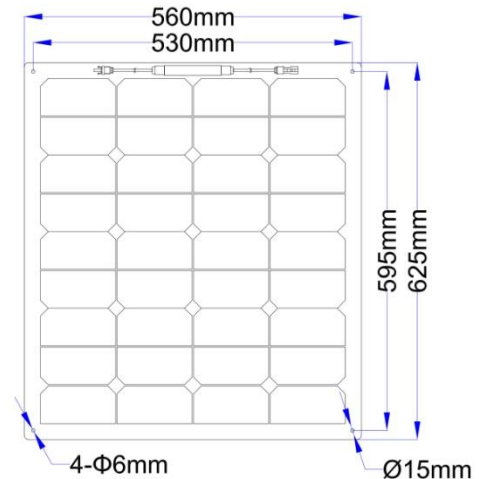


Flexible solar panel-50W MEGS-7603

Multitasking Electronic Flexible Solar Panel
Flexible Solar Panel
Semi Flexible Solar



TASK
ELECTRONICS

Multitasking Electronics have high efficiency flexible waterproof 50W monocrystalline solar panel is perfect for permanent outdoor use to provide free electricity for charging 12V batteries to power various applications, such as in a motorhome, caravan, camper, boat, or for solar lighting systems, off-grid and back up solar power systems, and complete household solar power systems.

Back-contact solar cells with efficiency up to 22% make this panel ideal for applications where space is restricted, or there are obstructions on the roof. The panel can also be used to provide direct power supply for applications not sensitive to changes in input voltage / current (e.g. electric motors or pumps) and for various grid-tie applications.

Technical features	
Max-power	50w
Solar cells:	125*125
Min power tolerance	±3%
Peak power(WP) :	50w
Voltage at Pmax (Vmp)	17.6
Current at Pmax (Imp)	2.84
Open circuit voltage (Voc)	20.8
Short circuit current (Isc)	3.07
Max system voltage (VDC)	1000V(IEC),600V(UL)
Module Efficiency	17.30%
Temperature Coefficient of Pmax:	-0.48%/°C
Temperature Coefficient of voc:	-0.34%/°C
Temperature Coefficient of ISC:	0.015%/°C
Nominal Operating Cell Temperature:	45+/-2°C
Data under standard testing conditions(STC)	1000W/M ² ; 1.5AM
Mechanical Characteristics	
Type of Connector:	MC4
Dimension AxBxC	560*625*3
Weight	0.5KG
No.of mounting Holes in Frame	4
Contruction	1.Surface -- plastic TPT,high transmittance EVA 2.Frame: frameless 3.Backsheet -- Whitie or black
Junction Box(protection degree):	IP65
Qualification Test Parameters	
Dielectric Insulation Voltage:	6000VDC max
Operating Temperature	-40°C to + 85°C
Max load	5400Pa
Hailstone impact	25mm(1inch) at 23m/s (52mph)