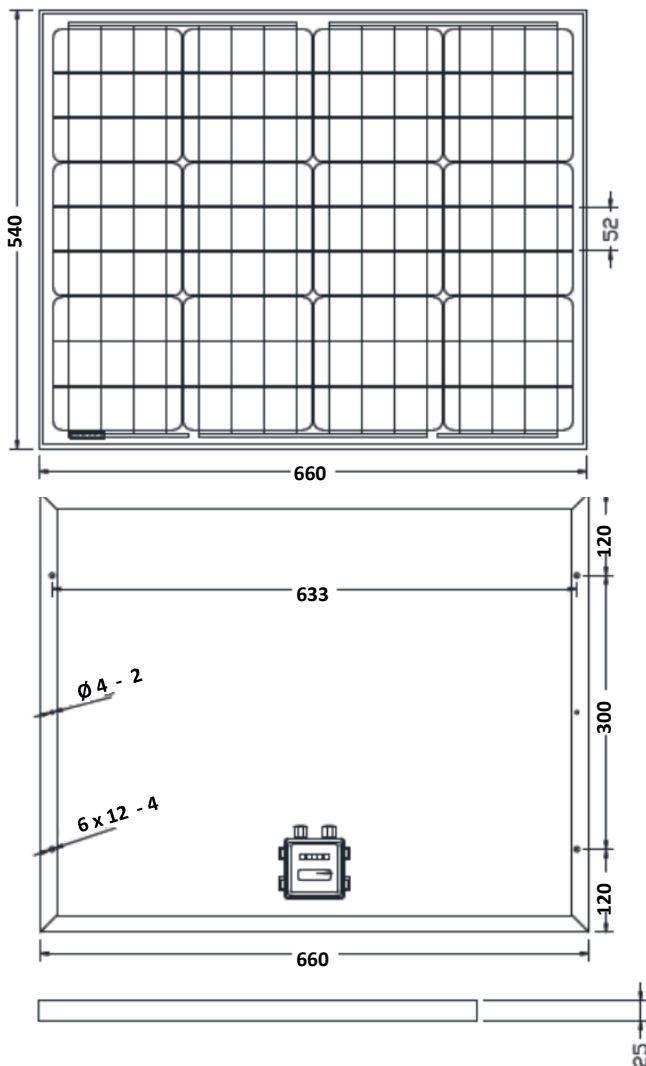


YL50-M 50 watt mono-crystalline solar module

Typical Electrical Characteristics

Model	YL50D-18b
Power Tolerance	0/+5W
Max Power (Pmax) watts	50
Optimum Operating Voltage (Vmp) volts	18.0
Optimum Operating Current (Imp) amps	2.78
Open Circuit Voltage (Voc) volts	22.00
Short Circuit Current (Isc) amps	2.91
Cell Efficiency (%)	18.0

Note: The specifications are obtained under Standard Test Conditions (STC): 1,000W/m², Am 1.5, Cell Temperature 25°C



Mechanical Characteristics

Solar Cell (mm)	Mono 156 x 52
No. of Cells	36 (4 x 9)
Dimensions L x W x H mm	540 x 660 x 25
Weight kg	4.0 approx
Junction Box	IP65
Connector	N/A
Packaging	6 pcs / carton

Working Conditions

Maximum System Voltage	DC 500V (IEC)
Temperature Cycling Range	-40°C ~ +85°C
NOTC	47°C
Maximum Series Fuse	10A
Application Class	Class A
Temperature Coefficients Voc	-0.35%/°C
Temperature Coefficients Vmpp	-0.43%/°C
Temperature Coefficients Isc	+0.06%/°C
Temperature Coefficients Pmax	-0.4%/°C

Warranty

- 5 Year Repair and Workmanship Warranty
- 12 Year Warranty at 90% Power Output
- 25 Year Warranty at 80% Power Output