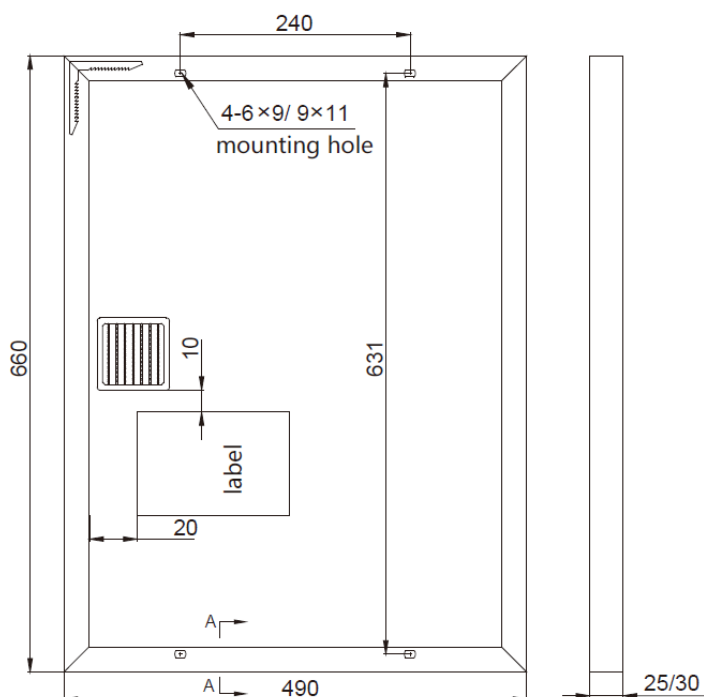


## YL50-M-2 50 watt mono-crystalline solar module

### Typical Electrical Characteristics

Model	YL50D-18b
Power Tolerance	0/+5W
Max Power (Pmax) watts	50
Optimum Operating Voltage (Vmp) volts	18.8
Optimum Operating Current (Imp) amps	2.66
Open Circuit Voltage (Voc) volts	23.30
Short Circuit Current (Isc) amps	2.85
Module Efficiency (%)	15.5

Note: The specifications are obtained under Standard Test Conditions (STC): 1,000W/m<sup>2</sup>, Am 1.5, Cell Temperature 25°C



### Mechanical Characteristics

Solar Cell (mm)	Mono 156.75 x 46.8
No. of Cells	36 (4 x 9)
Dimensions L x W x H mm	660 x 490 x 25
Weight kg	3.81 approx
Junction Box	IP65
Connector	Screw terminal
Packaging	6 pcs / carton

### Working Conditions

Maximum System Voltage	DC 120V (IEC)
Temperature Cycling Range	-40°C ~ +85°C
NOTC	46 ± 2°C
Maximum Series Fuse	10A
Application Class	Class A
Temperature Coefficients Voc	-0.37%/°C
Temperature Coefficients Vmpp	-0.45%/°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



Read the Installation and User manuals before handling, installing and operating Yingli Solar modules



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