



RG-SOLAR-PL-180-18

180W-18V Solar Panel Monocrystalline



RANGER

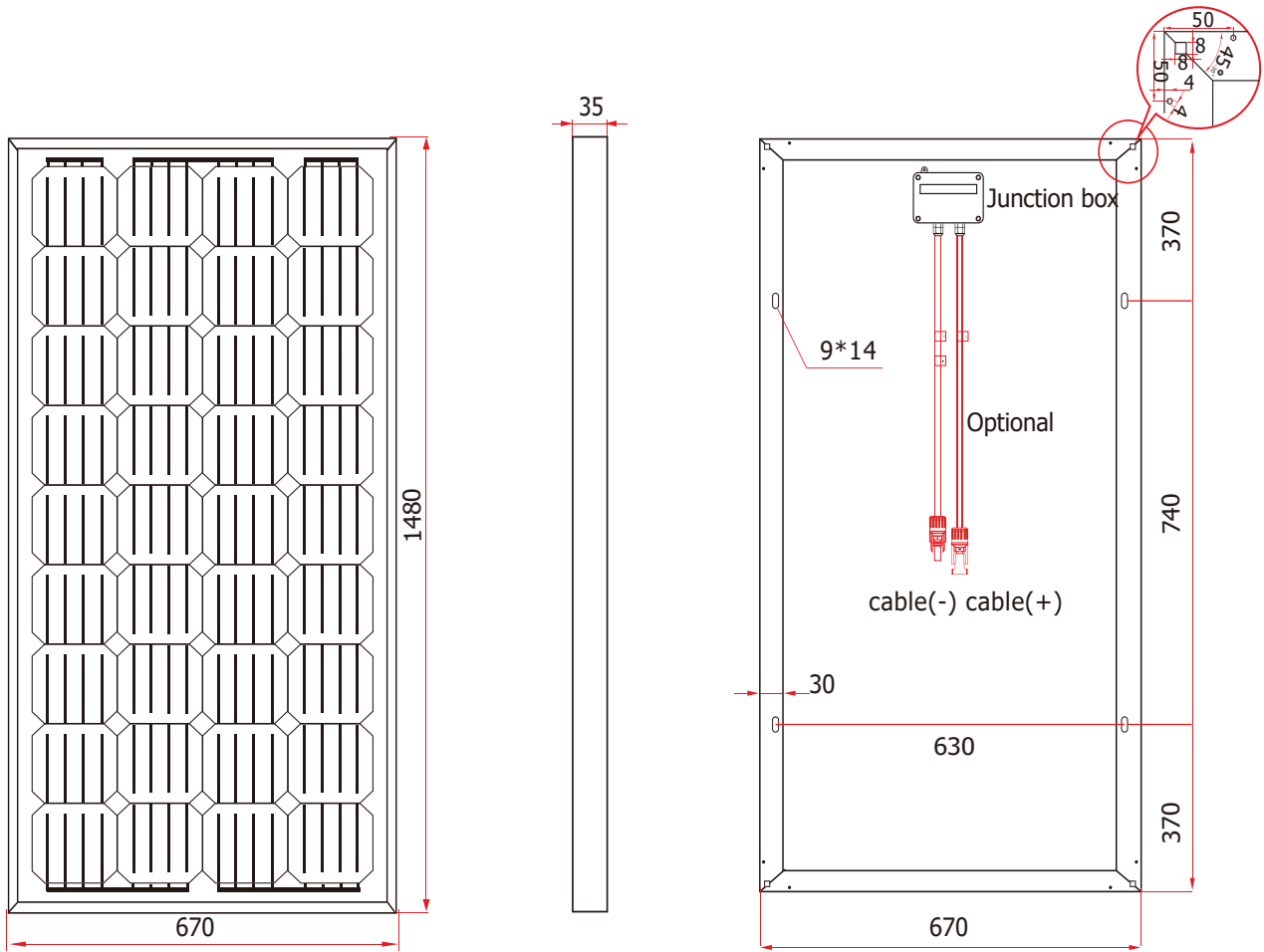


Electrical Specifications

Nominal Maximum Power (Pmax)	180W
Optimum Operating Voltage (Vmp)	18.15V
Optimum Operating Current (Imp)	9.92A
Open Circuit Voltage (Voc)	22.64V
Short Circuit Current (Isc)	10.19A
Module Efficiency	18.00%
Cell Efficiency	20.00%
Power Tolerance	0 to +5W
Maximum System Voltage	DC 1000V
Operating Temperature	-40°C ~ +85°C
Maximum Series Fuse Rating	15A
Number of Bypass Diode	2

Mechanical Data	
Cell Type	Mono 156 Cell
Cell Arrangement	36 cells in series
Dimensions	1480*670*35mm
Weight	11.18kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J- Box	IP65, 2 diodes
Cable	2.5mm (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

Temperature Characteristics	
Temperature Coefficient (Pmax)	-0.420% /°C
Temperature Coefficient (Voc)	-0.346% /°C
Temperature Coefficient (Isc)	0.065% /°C
Normal Operating Cell Temperature	45.3 ± 2



Current-Voltage Characteristic (I-V Curve)

