



RG-SOLAR-PL-150-18

150W-18V Solar Panel Monocrystalline



RANGER

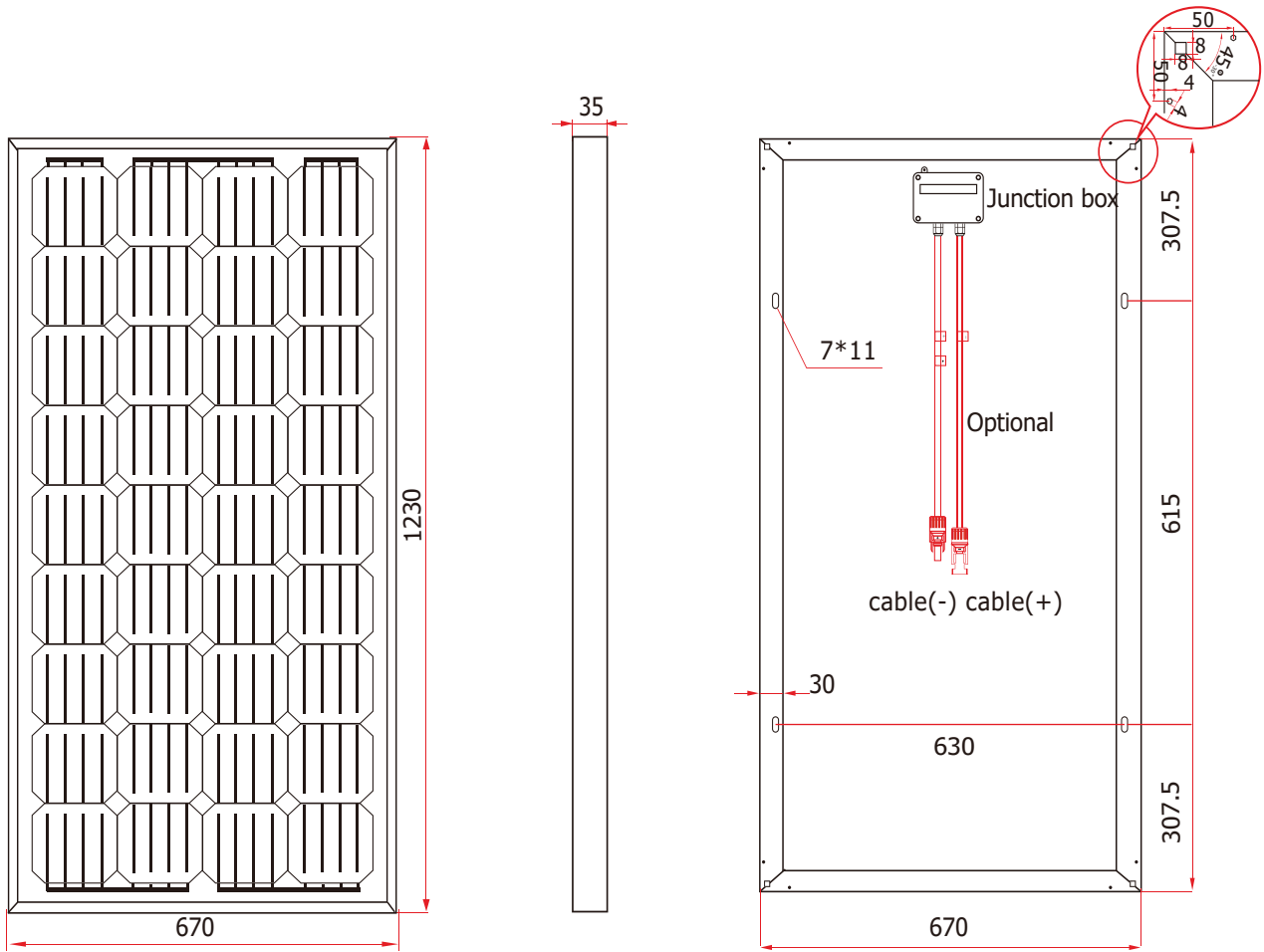


Electrical Specifications

Nominal Maximum Power (Pmax)	150W
Optimum Operating Voltage (Vmp)	17.85V
Optimum Operating Current (Imp)	8.41A
Open Circuit Voltage (Voc)	21.96V
Short Circuit Current (Isc)	8.61A
Module Efficiency	15.00%
Cell Efficiency	17.45%
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	Monor 156 Cell
Cell Arrangement	36 cells in series
Dimensions	1230 x 670x 35 mm
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)

