



RG-SOLAR-PL-150-36

150W-36V Solar Panel Monocrystalline



RANGER

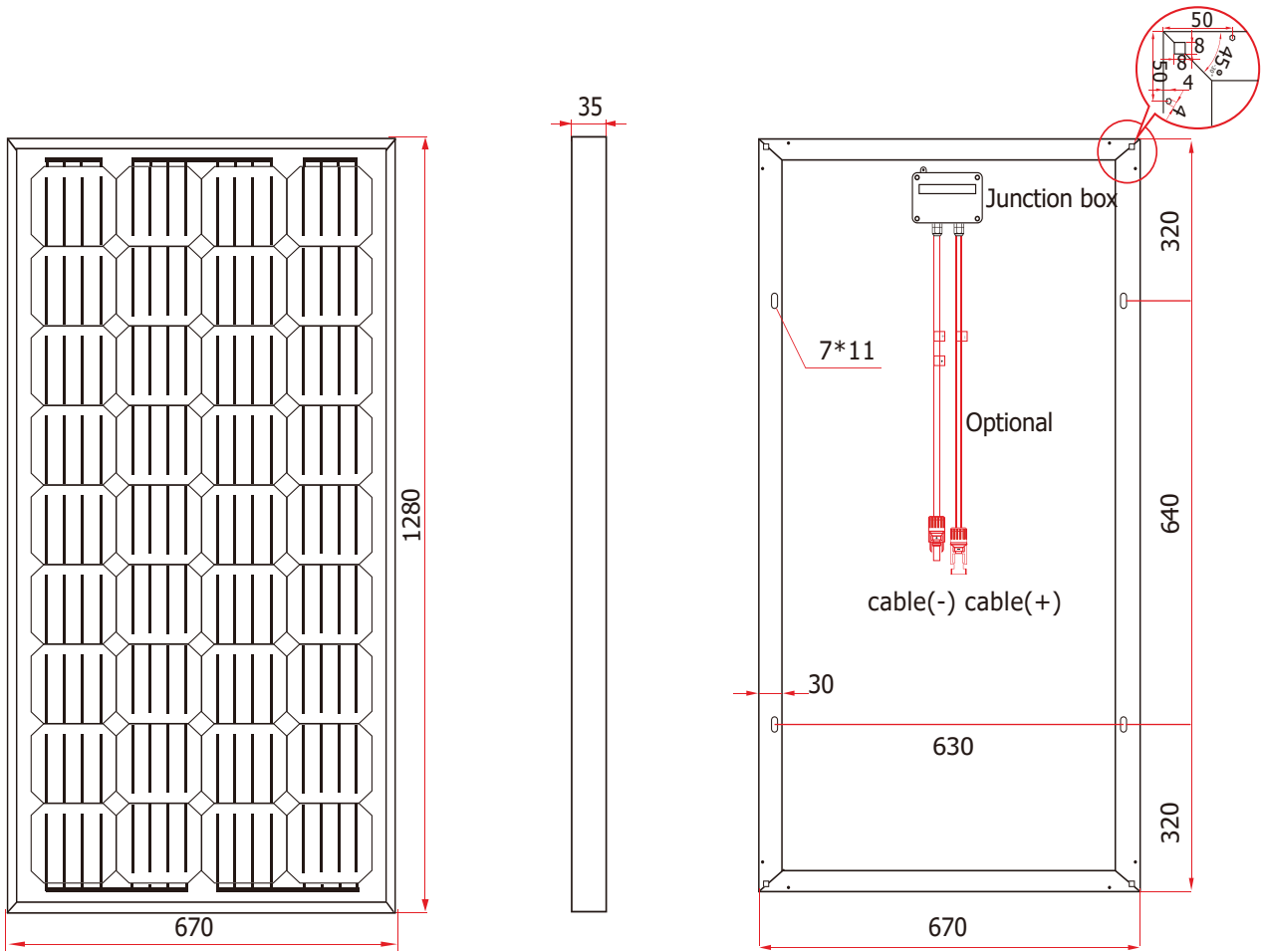


Electrical Specifications

Nominal Maximum Power (Pmax)	150W
Optimum Operating Voltage (Vmp)	36V
Optimum Operating Current (Imp)	4.17A
Open Circuit Voltage (Voc)	45.36V
Short Circuit Current (Isc)	4.46A
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	Mono 156 Cell
Cell Arrangement	72 cells in series
Dimensions	1280*670*35mm
Weight	9.8kg
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)

