



AS-6M18 MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	175W
Open Circuit Voltage (V_{oc})	31.7V
Short Circuit Current (I_{sc})	7.16A
Voltage at Maximum Power (V_{mp})	25.7V
Current at Maximum Power (I_{mp})	6.82A
Module Efficiency (%)	21.64
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Fire Resistance Rating	Class C
Maximum Series Fuse Rating	15A

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline 182*91mm
Number of cells	44(4*11)
Module dimensions	770x1050x30mm
Weight	8.5kg
Front cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP67, 2 diodes
Cable	4mm ² , 500mm
Connector	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

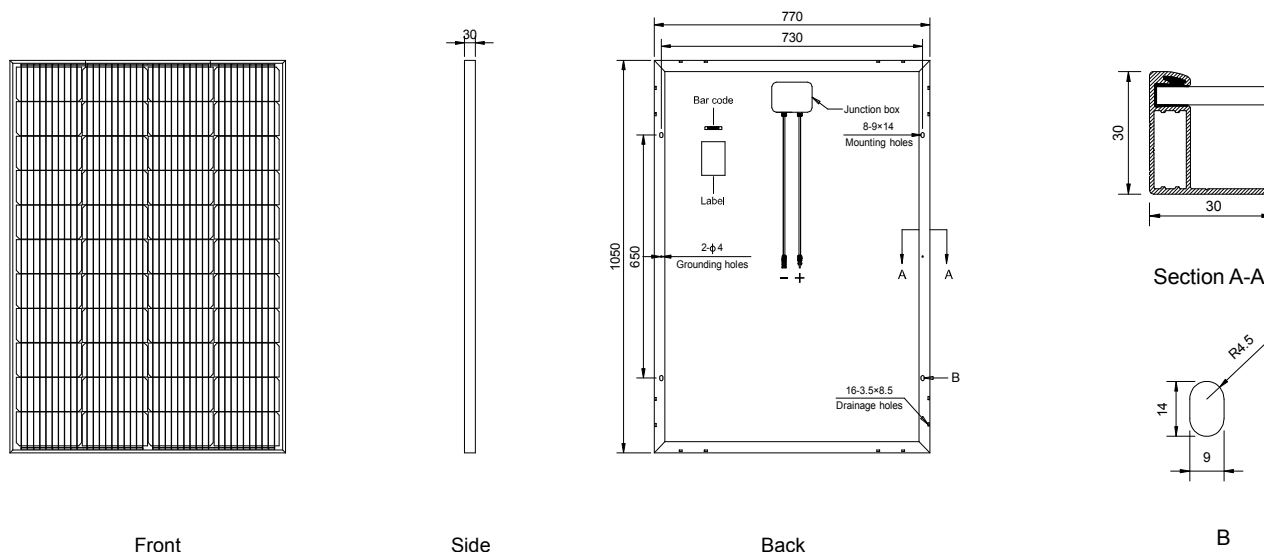
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.44%/°C
Temperature Coefficients of V_{oc}	-0.34%/°C
Temperature Coefficients of I_{sc}	+0.055%/°C

PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	820pcs
Module quantity per 40' container	1804pcs(HQ)

ENGINEERING DRAWINGS

Unit: mm



Specifications in this datasheet are subject to change without prior notice.