



AS-6M18 MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	100W
Open Circuit Voltage (V_{oc})	24.44V
Short Circuit Current (I_{sc})	5.38A
Voltage at Maximum Power (V_{mp})	21.12V
Current at Maximum Power (I_{mp})	4.74A
Module Efficiency (%)	17.79
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Fire Resistance Rating	Class C
Maximum Series Fuse Rating	5A

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of P_{max}: ±3%; Measurement Tolerance: ±3%

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline
Number of cells	36
Module dimensions	770x730x30mm
Weight	5.69kg
Front cover	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction box	IP65
Cable	Length can be customized
Connector	MC4 Compatible

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.45%/°C
Temperature Coefficients of V_{oc}	-0.37%/°C
Temperature Coefficients of I_{sc}	0.05%/°C

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