

Electrical Characteristics

Module Type	M10-52-280
	STC
Maximum Power at STC (Pmp)	280
Open Circuit Voltage (Voc)	37.28
Short Circuit Current (Isc)	9.15
Maximum Power Voltage (Vmp)	32.14
Maximum Power Current (Imp)	8.71
Module Efficiency at STC(η_m)	24.40
Power Tolerance	(0,+4.99)
Maximum System Voltage	1000 VDC
Maximum Series Fuse Rating	20A

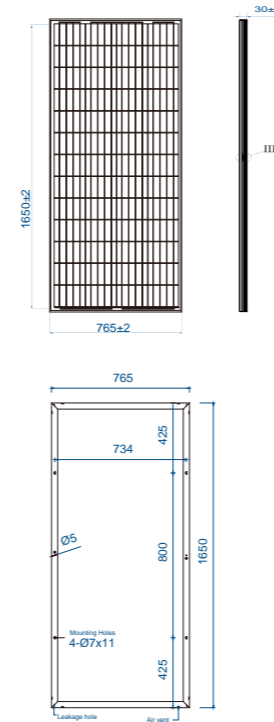
STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5;

Temperature Characteristics

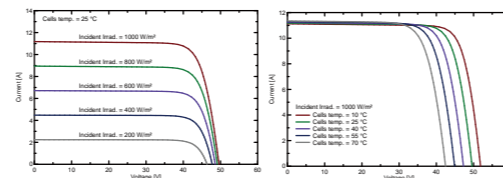
Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature(NOCT)	45±2 °C
Fire Rating	Class C

Mechanical Specifications

External Dimensions	1650 x 765 x 30 mm
Weight	13.0kg
Solar Cells	PERC Mono 121.3x182mm (52pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68,3 diodes
Output Cables	4.0 mm ² ,Portrait:900mm or Customized Length
Connector	Genuine MC4 Connector /Compatible MC4 Connector
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa



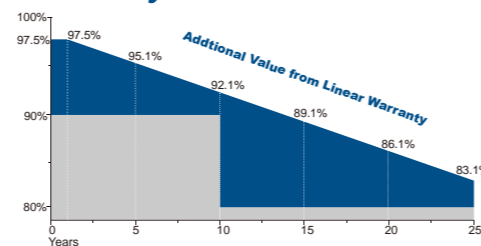
I-V Curve



Product Certificates



Warranty



10 YEARS Guarantee on product material and workmanship **25 YEARS** linear power output warranty



M10-52-280W