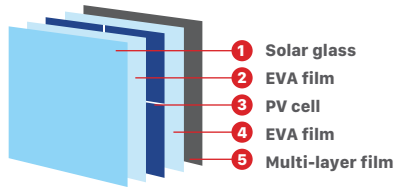
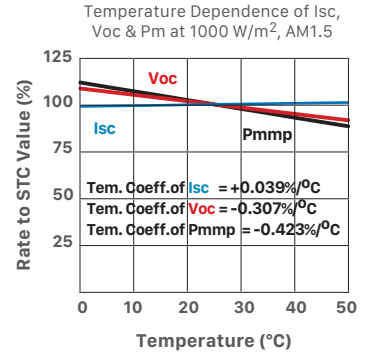
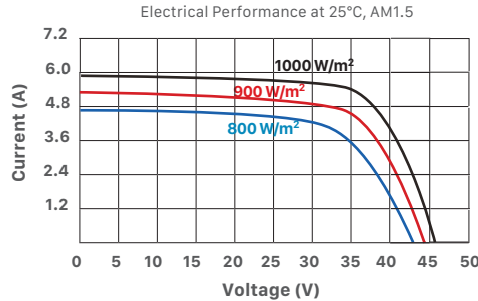


125 SERIES MONOCRYSTALLINE

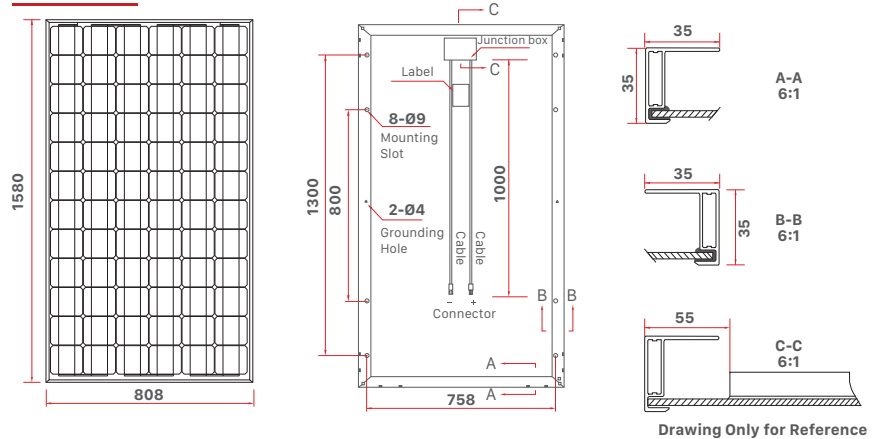
SOLAR MODULE: 180 W, 185 W, 190 W, 195 W, 200 W, 205 W, 210 W, 215 W, 220 W



PERFORMANCE



STRUCTURE



ELECTRICAL CHARACTERISTICS STC

	IR180M-72	IR185M-72	IR190M-72	IR195M-72	IR200M-72	IR205M-72	IR210M-72	IR215M-72	IR220M-72
Maximum Power (Pmax)	180 W	185 W	190 W	195 W	200 W	205 W	210 W	215 W	220 W
Power Tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Module Efficiency	14.1%	14.5%	14.9%	15.3%	15.7%	16.1%	16.5%	16.9%	17.2%
Maximum Power Current (Imp)	5.08 A	5.21 A	5.34 A	5.41 A	5.52 A	5.62 A	5.68 A	5.78 A	5.86 A
Maximum Power Voltage (Vmp)	35.44 V	35.53 V	35.59 V	36.06 V	36.24 V	36.50 V	36.98 V	37.21 V	37.56 V
Short Circuit Current (Isc)	5.41 A	5.54 A	5.68 A	5.75 A	5.90 A	5.97 A	6.04 A	6.11 A	6.22 A
Open Circuit Voltage (Voc)	44.30 V	44.60 V	44.80 V	45.00 V	45.20 V	45.40 V	45.70 V	46.01 V	46.49 V

Values at Standard Test Conditions (STC: Air Mass AM 1.5, Irradiance 1000 W/m², Cell Temperature 25°C)

ELECTRICAL CHARACTERISTICS NOCT

	IR180M-72	IR185M-72	IR190M-72	IR195M-72	IR200M-72	IR205M-72	IR210M-72	IR215M-72	IR220M-72
Maximum Power (Pmax)	131.40 W	135.05 W	138.70 W	142.35 W	146.00 W	149.65 W	153.30 W	157.00 W	161.00 W
Maximum Power Current (Imp)	4.01 A	4.12 A	4.22 A	4.27 A	4.36 A	4.47 A	4.49 A	4.58 A	4.65 A
Maximum Power Voltage (Vmp)	32.68 V	32.77 V	32.94 V	33.26 V	33.50 V	33.56 V	34.08 V	34.29 V	34.63 V
Short Circuit Current (Isc)	4.33 A	4.43 A	4.54 A	4.60 A	4.72 A	4.78 A	4.83 A	4.89 A	4.96 A
Open Circuit Voltage (Voc)	41.20 V	41.48 V	41.66 V	41.85 V	42.04 V	42.22 V	42.50 V	42.72 V	43.18 V

Values at Nominal Operating Cell Temperature (NOCT: Wind Speed 1 m/s, Irradiance 800 W/m², Ambient Temperature 20°C)

MECHANICAL CHARACTERISTICS

Cell Type	125 x 125 mm Monocrystalline, 72 (6x12) pcs in series
Solar glass	High Transmission, Low Iron, Tempered Glass with Anti Reflecting Coating
Frame	Anodized Aluminum Alloy type 6063 - T5
Junction Box	Rated current ≥ 15 A, IP ≥ 67, TUV & UL
Dimension	1580 x 808 x 35 mm
Output Cable	4 mm ² (EU)/12 AWG (US), 900 mm
Weight	14 Kg
Installation hole Location	See Drawing Above

PACKING INFORMATION

Container	20' GP	40' GP	40' HQ
Pallets per Container	14	28	28
Pieces per Container	420	840	896

WORKING CONDITIONS

Operating Temperature	- 40°C to + 85°C
Maximum System Voltage	1500 VDC (IEC) / 1500 VDC (UL)
Maximum Series Fuse Rating	20 A (IEC) / 20 A (UL)
NOCT	45 ± 2
Application Class	Class A