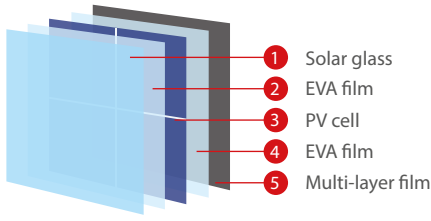
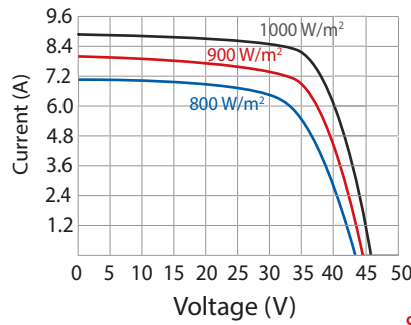


# 156 SERIES MONOCRYSTALLINE SOLAR MODULE: 315 W, 320 W, 325 W, 330 W, 335 W, 340 W, 345 W, 350 W

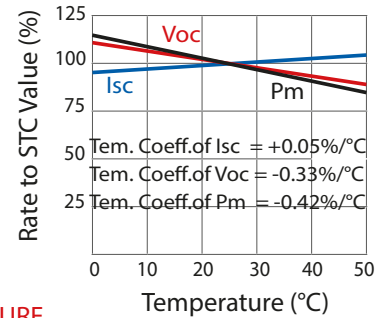


## PERFORMANCE

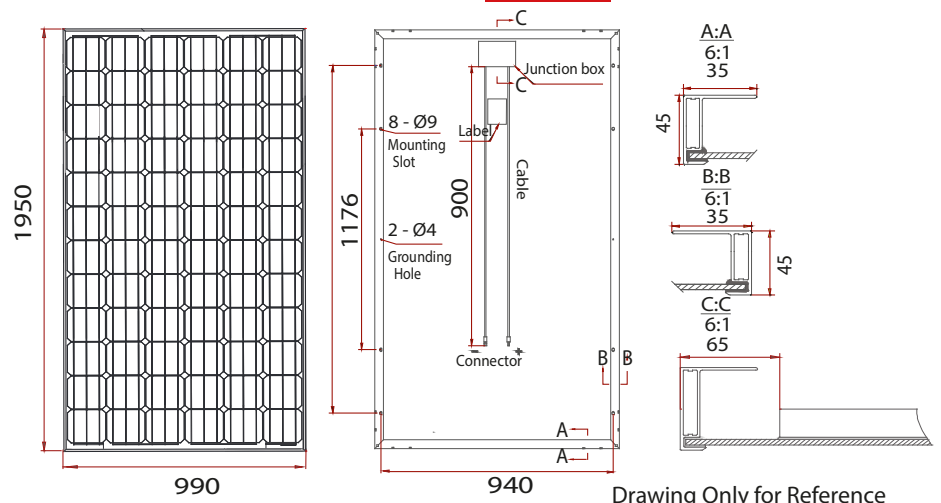
Electrical Performance at 25°C, AM1.5



Temperature Dependence of Isc, Voc & Pm at 1000 W/m², AM1.5



## STRUCTURE



Drawing Only for Reference

ELECTRICAL CHARACTERISTICS STC	IR315M-72	IR320M-72	IR325M-72	IR330M-72	IR335M-54	IR340M-72	IR345M-72	IR350M-72
Maximum Power (Pmax)	315 W	320 W	325 W	330 W	335 W	340 W	345 W	350 W
Power Tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Module Efficiency	16.3%	16.6%	16.8%	17.1%	17.4%	17.6%	17.9%	18.1%
Maximum Power Current (Imp)	8.47 A	8.55 A	8.63 A	8.71 A	8.87 A	8.92 A	9.00 A	9.18 A
Maximum Power Voltage (Vmp)	37.20 V	37.43 V	37.67 V	37.90 V	37.78 V	38.12 V	38.34 V	38.14 V
Short Circuit Current (Isc)	8.93 A	9.02 A	9.10 A	9.18 A	9.40 A	9.46 A	9.54 A	9.73 A
Open Circuit Voltage (Voc)	45.76 V	45.98 V	46.16 V	46.36 V	46.85 V	47.27 V	47.54 V	47.29 V
Values at Standard Test Conditions ( STC: Air Mass AM 1.5, Irradiance 1000W/m², Cell Temperature 25°C)								

ELECTRICAL CHARACTERISTICS NOCT	IR315M-72	IR320M-72	IR325M-72	IR330M-72	IR335M-54	IR340M-72	IR345M-72	IR350M-72
Maximum Power (Pmax)	230 W	234 W	237 W	241W	245 W	248 W	252W	256 W
Maximum Power Current (Imp)	6.73 A	6.79 A	6.85 A	6.90 A	7.05 A	7.08 A	7.11A	7.25 A
Maximum Power Voltage (Vmp)	34.31 V	34.55 V	34.78 V	34.94 V	34.76 V	35.05 V	35.27 V	35.09 V
Short Circuit Current (Isc)	7.14 A	7.22 A	7.28 A	7.34 A	7.52 A	7.57 A	7.63 A	7.78 A
Open Circuit Voltage (Voc)	42.56 V	42.76 V	42.93 V	43.12 V	43.57 V	43.96 V	44.21 V	43.98 V
Values at Nominal Operating Cell Temperature ( NOCT: Wind Speed 1m/s, Irradiance 800W/m², Cell Temperature 45°C, Ambient Temperature 20°C)								

## MECHANICAL CHARACTERISTICS

Cell Type	156 x 156 mm Monocrystalline, 72 (6x12) pcs in series
Glass solar	High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminum Alloy type 6063 - T5
Junction Box	Rated current ≥ 12 A, IP ≥ 65, TUV & UL
Dimension	1950 x 990 x 45 mm
Output Cable	4 mm² (EU)/12 AWG (US), 900 mm
Weight	22.5 Kg
Installation hole Location	See Drawing Above

## PACKING INFORMATION

Container	20' GP	40' GP	40' HQ
Pallets per Container	10	24	24
Pieces per Container	220	528	552

## MAXIMUM RATINGS

Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1000 VDC (EU) / 600 VDC (US)
Maximum Series Fuse Rating	20 A (EU) / 15 A (US)