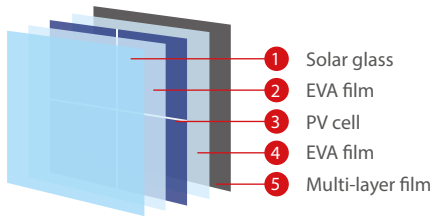
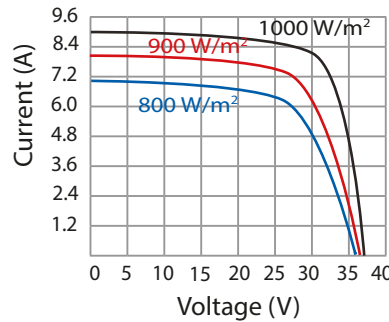


# 156 SERIES MONOCRYSTALLINE SOLAR MODULE: 260 W, 265 W, 270 W, 275 W, 280 W, 285 W, 290 W, 295 W

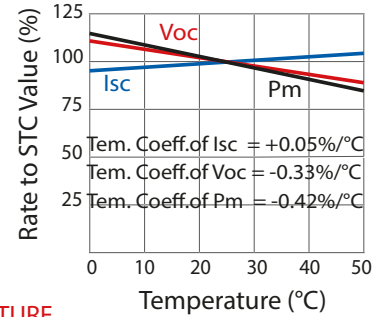


## PERFORMANCE

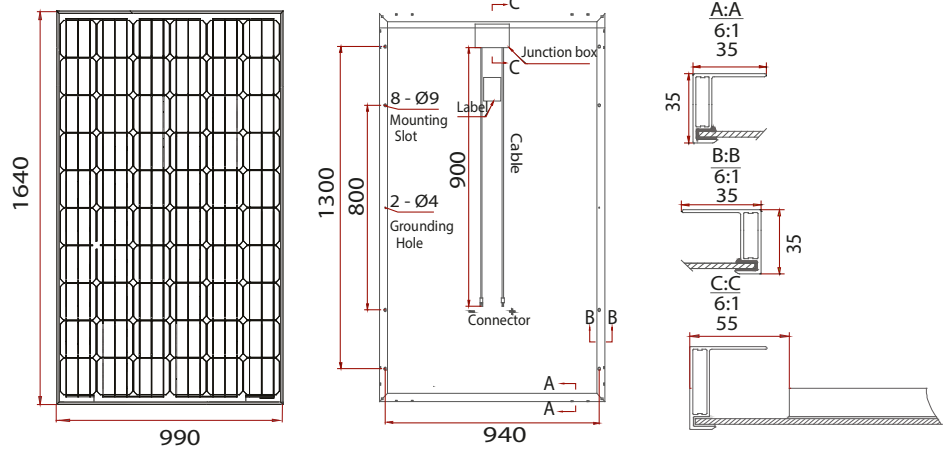
Electrical Performance at 25°C, AM1.5



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



## STRUCTURE



Drawing Only for Reference

ELECTRICAL CHARACTERISTICS STC	IR260M-60	IR265M-60	IR270M-60	IR275M-60	IR280M-60	IR285M-60	IR290M-60	IR295M-60
Maximum Power (Pmax)	260 W	265 W	270 W	275 W	280 W	285 W	290 W	295 W
Power Tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Module Efficiency	16.0%	16.3%	16.6%	16.9%	17.3%	17.6%	17.9%	18.2%
Maximum Power Current (Imp)	8.44 A	8.51 A	8.64 A	8.66 A	8.83 A	8.89 A	8.98 A	9.20 A
Maximum Power Voltage (Vmp)	30.82 V	31.15 V	31.26 V	31.76 V	31.72 V	32.06 V	32.30 V	32.07 V
Short Circuit Current (Isc)	8.95 A	9.02 A	9.16 A	9.18 A	9.36 A	9.42 A	9.52 A	9.75 A
Open Circuit Voltage (Voc)	37.91 V	38.32 V	38.45 V	39.07 V	39.02 V	39.75 V	40.05 V	39.77 V

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

ELECTRICAL CHARACTERISTICS NOCT	IR260M-60	IR265M-60	IR270M-60	IR275M-60	IR280M-60	IR285M-60	IR290M-60	IR295M-60
Maximum Power (Pmax)	190 W	193 W	197 W	201 W	204 W	208 W	212 W	215 W
Maximum Power Current (Imp)	6.70 A	6.72 A	6.85 A	6.87 A	6.96 A	7.06 A	7.14 A	7.29 A
Maximum Power Voltage (Vmp)	28.37 V	28.72 V	28.76 V	29.27 V	29.32 V	29.48 V	29.72 V	29.50 V
Short Circuit Current (Isc)	7.16 A	7.22 A	7.33 A	7.34 A	7.49 A	7.54 A	7.62 A	7.80 A
Open Circuit Voltage (Voc)	35.26 V	35.64 V	35.76 V	36.34 V	36.29 V	36.97 V	37.25 V	36.99 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, 60 (6x10) 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	1640 x 990 x 35 mm
Output Cable	4 mm² (EU)/12 AWG (US), 900 mm
Weight	18.5 Kg
Installation hole Location	See Drawing Above

## PACKING INFORMATION

Container	20' GP	40' GP	40' HQ
Pallets per Container	12	28	28

## MAXIMUM RATINGS

Operating Temperature	- 40°C ~ +85°C
Maximum System Voltage	1000 VDC (EU) / 600 VDC (US)