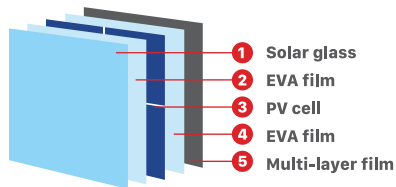


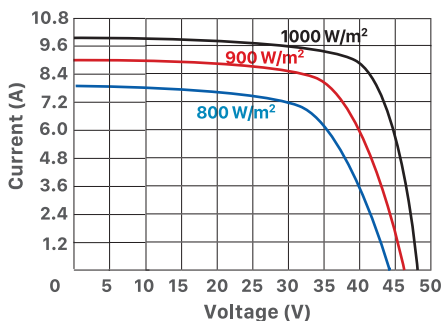
# 156 SERIES MONOCRYSTALLINE

SOLAR MODULE: 340 W, 345 W, 350 W, 355 W, 360 W, 365 W, 370 W, 375 W, 380 W

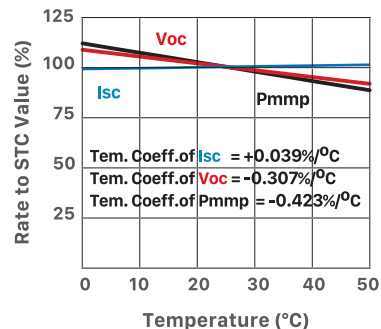


## PERFORMANCE

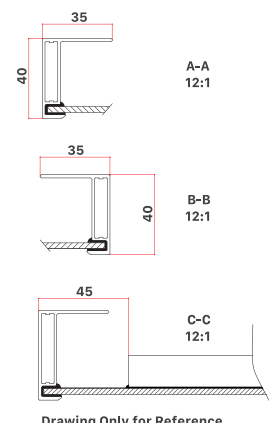
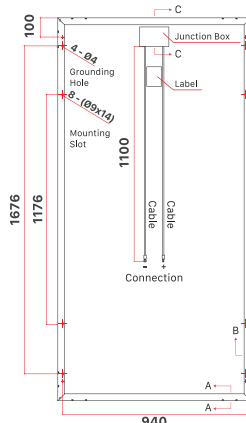
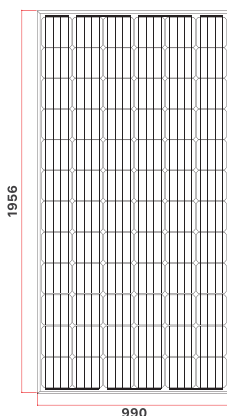
Electrical Performance at 25°C, AM1.5



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



## STRUCTURE



ELECTRICAL CHARACTERISTICS STC	IR340M-72	IR345M-72	IR350M-72	IR355M-72	IR360M-72	IR365M-72	IR370M-72	IR375M-72	IR380M-72
Maximum Power (Pmax)	340 W	345 W	350 W	355 W	360 W	365 W	370 W	375 W	380 W
Power Tolerance	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%	0 ~ 3%
Module Efficiency	17.6%	17.9%	18.1%	18.4%	18.7%	18.9%	19.2%	19.4%	19.7%
Maximum Power Current (Imp)	8.93 A	9.04 A	9.18 A	9.25 A	9.34 A	9.40 A	9.45 A	9.48 A	9.52 A
Maximum Power Voltage (Vmp)	38.08 V	38.17 V	38.26 V	38.39 V	38.55 V	38.84 V	39.16 V	39.56 V	39.92 V
Short Circuit Current (Isc)	9.46 A	9.58 A	9.73 A	9.79 A	9.87 A	9.95 A	10.00 A	10.03 A	10.08 A
Open Circuit Voltage (Voc)	47.07 V	47.26 V	47.49 V	47.69 V	47.73 V	48.05 V	48.49 V	48.68 V	48.94 V

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

ELECTRICAL CHARACTERISTICS NOCT	IR340M-72	IR345M-72	IR350M-72	IR355M-72	IR360M-72	IR365M-72	IR370M-72	IR375M-72	IR380M-72
Maximum Power (Pmax)	248.00 W	252.00 W	256.00 W	259.00 W	262.00 W	266.00 W	270.00 W	274.00 W	277.00 W
Maximum Power Current (Imp)	7.06 A	7.15 A	7.25 A	7.30 A	7.37 A	7.42 A	7.46 A	7.50 A	7.54 A
Maximum Power Voltage (Vmp)	35.15 V	35.27 V	35.39 V	35.49 V	35.56 V	35.85 V	36.20 V	36.53 V	36.74 V
Short Circuit Current (Isc)	7.57 A	7.63 A	7.78 A	7.81 A	7.88 A	7.95 A	8.00 A	8.03 A	8.06 A
Open Circuit Voltage (Voc)	43.56 V	43.78 V	43.98 V	44.25 V	44.42 V	44.64 V	45.03 V	45.14 V	45.36 V

Values at Nominal Operating Cell Temperature (NOCT: Wind Speed 1m/s, Irradiance 800 W/m², Cell Temperature 45°C, Ambient Temperature 20°C)

## MECHANICAL CHARACTERISTICS

Cell Type	156.75 x 156.75 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, 3 diodes
Dimension	1956 x 990 x 40 mm
Output Cable	4 mm² (EU)/12 AWG (US), 1100mm
Weight	22 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	260	624	672

## MAXIMUM RATINGS

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)
Application Class	Class A