

Electrical Data

STC	<del>xxxxxx</del>	<del>xxxxxx</del>	<del>xxxxxx</del>	<del>xxxxxx</del>	<del>xxxxxx</del>
Nominal Maximum Power (Pmax)	235W	240W	245W	250W	255W
Optimum Operating Voltage (Vmp)	29.8V	29.9V	30.0V	30.1V	30.2V
Optimum Operating Current (Imp)	7.90A	8.03A	8.17A	8.30A	8.43A
Open Circuit Voltage (Voc)	36.9V	37.0V	37.1V	37.2V	37.4V
Short Circuit Current (Isc)	8.46A	8.59A	8.74A	8.87A	9.00A
Module Efficiency	14.61%	14.92%	15.23%	15.54%	15.85%
Operating Temperature	-40°C~+85°C				
Maximum System Voltage	1000V (IEC) /600V (UL)				
Maximum Series Fuse Rating	15A				
Application Classification	Class A				
Power Tolerance	0 ~ +5W				

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25

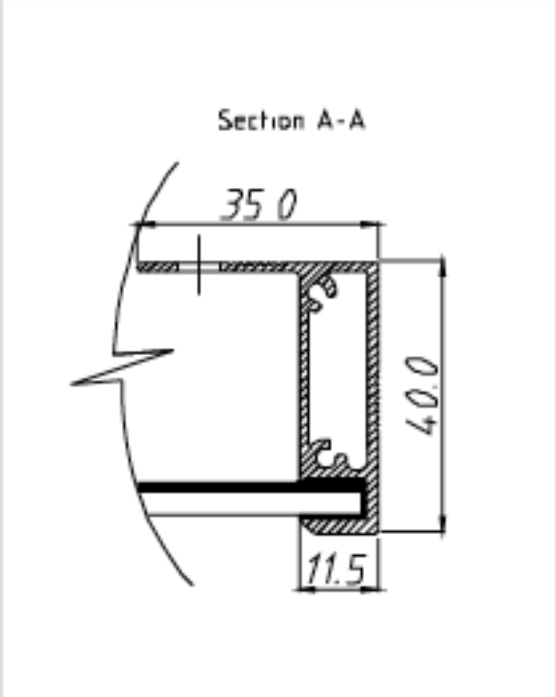
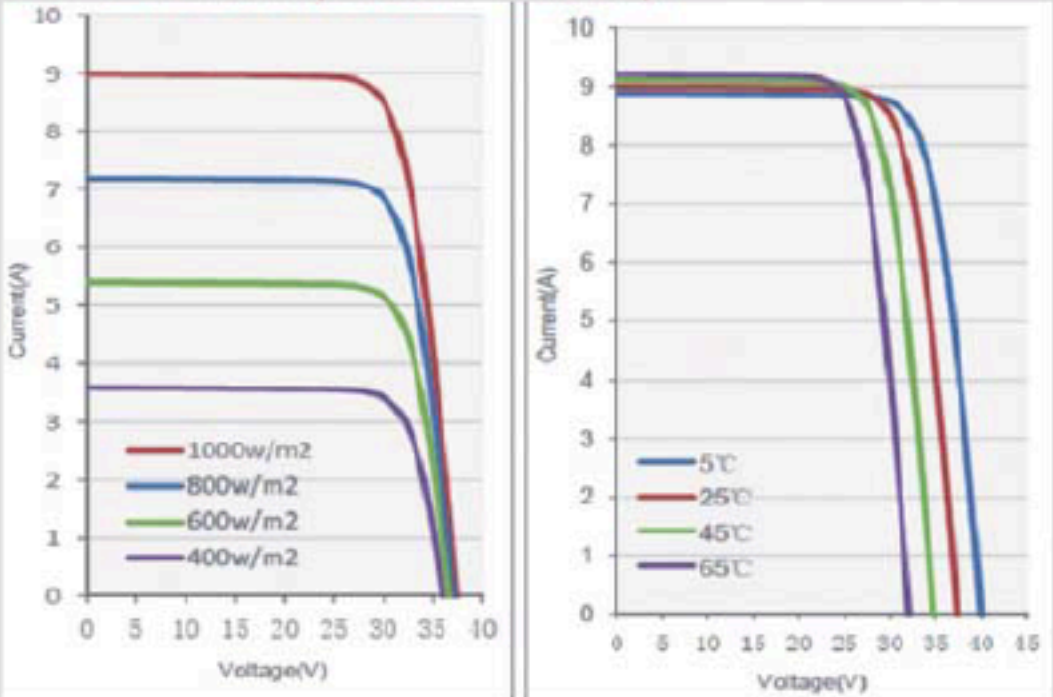
NOCT	<del>xxxxxx</del>	<del>xxxxxx</del>	<del>xxxxxx</del>	<del>xxxxxx</del>	<del>xxxxxx</del>
Nominal Maximum Power (Pmax)	170W	174W	178W	181W	185W
Optimum Operating Voltage (Vmp)	27.2V	27.3V	27.4V	27.5V	27.5V
Optimum Operating Current (Imp)	6.27A	6.38A	6.49A	6.60A	6.71A
Open Circuit Voltage (Voc)	33.9V	34.0V	34.1V	34.2V	34.4V
Short Circuit Current (Isc)	6.86A	6.96A	7.08A	7.19A	7.29A

Under Normal Operating Cell Temperature, Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s

Mechanical Data

Cell Type	Poly-crystalline 156 x 156mm, 2 or 3 Busbars
Cell Arrangement	60 (6 x 10)
Dimensions	1638 x 982 x 40mm (64.5x 38.7 x 1.57in)
Weight	19kg (41.9 lbs)
Front Cover	3.2mm Tempered glass
Frame Material	Anodized aluminium alloy
J-BOX	IP65, 3 diodes
Cable	4mm²(IEC)/12AWG(UL), 1000mm
Connectors	MC4 or MC4 Comparable
Standard Packaging (Modules per Pallet)	24pcs
Module Pieces per container (40 ft. Container)	672pcs (40'HQ)

I-V Curves (xxxxxx)



Temperature Characteristics

Temperature Coefficient	Pmax	-0.43 %/°C
	Voc	-0.34 %/°C
	Isc	0.065 %/°C
Normal Operating Cell Temperature		45±2°C

Performance at Low Irradiance

Industry leading performance at low irradiation environment, +95.5% module efficiency from an irradiance of 1000w/m² to 200w/m² (AM 1.5, 25 )

Engineering Drawings

