

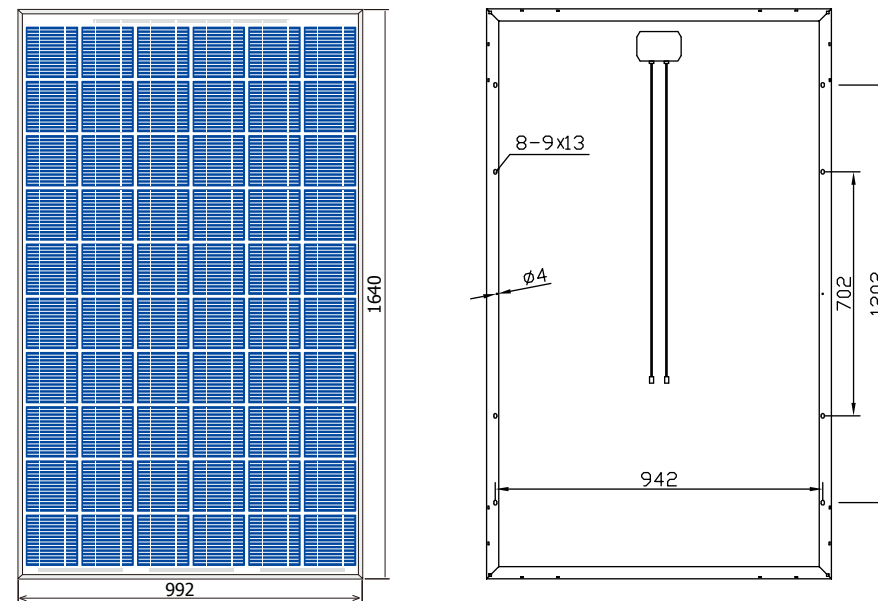
TECHNICAL DATA SHEET

SM660-230、SM660-240、SM660-250



Technical Data

Type	SM660-230、SM660-240、SM660-250
Type of Solar Cell	Mono-crystalline, 156mm×156mm
Number of Cells	60 pcs
Size of module	1640×992×50mm (156×156mm cell)
Module, Weight	20 kg
Connector / Cross-Section	Cixi Renhe, TOP
Cables, Length (+/-)	900 mm
Front Cover Glass	Safety Glass
Front Cover Glass, Thickness	3.2 mm
Frame	Anodized Aluminium



Electrical Data

	$P_{MPP\ STC}$	230 W	240 W	250 W
Maximum Power	Δ_{STC}	0-3%	0-3%	0-3%
Power Tolerance	$U_{MPP\ STC}$	29.7 V	30.2 V	30.7 V
Maximum Power Voltage	$I_{MPP\ STC}$	7.69 A	7.94 A	8.15 A
Maximum Power Current	$U_{OC\ STC}$	36.8 V	37.4 V	38.1 V
Open Circuit Voltage	$I_{SC\ STC}$	8.30 A	8.58 A	8.80 A
Short Circuit Current	η_{STC}	16.60 %	17.35 %	17.75 %
Cell Efficiency	U_{DC}	1000V	1000V	1000V
Maximum System Voltage				

STC: Irradiance 1000 W/m²; Spectrum AM 1,5; Cell Temperature 25°C, Wind 0 m/s

Temperature Coefficients

Power Coefficient	$\alpha_k (P_{MPP})$	- 0.45 %/K
Voltage Coefficient	$\beta_k (U_{OC})$	- 0.35 %/K
Current Coefficient	$\phi_k (I_{SC})$	0.065 ± 0.015 %/K

Power Warranty

- 10 years performance warranty to 90 %
- 25 years performance warranty to 80 %
- 10 years warranty against production and material defects

Certifications

IEC 61215, IEC 61730, TUV, CE, ISO9001:2000

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