

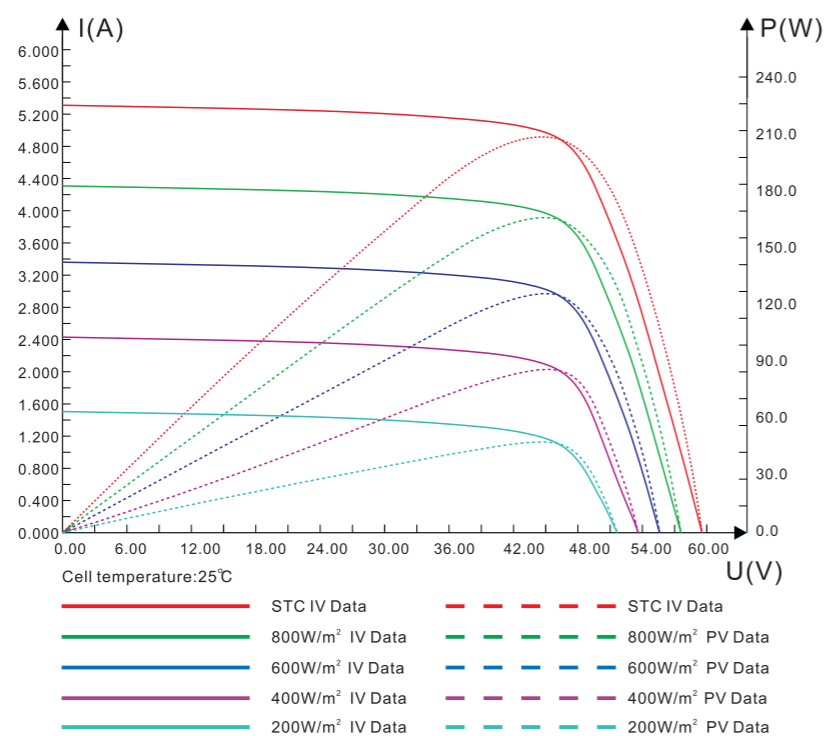
SPECIFICATION-SQM-220W-250W

Technical Datasheet

Zhejiang Shuqimeng Photovoltaic Technology Co., Ltd.

(Measurement conditions under irradiance level of 1000W/m², 1.5 Air Mass Spectrum, cell temperature of 25 °C)

CHARACTERISTIC CURVES



SPECIFICATION

Cells	Mono Crystal Si 125 x 125(mm) pseudo square
Number of cells	96 series connected
Typical application	33V DC
Maximum voltage	1000V DC
Size	mm 1590(L) x 1064(W) x 50(H)
Weight	21Kg
Front glass	3.2mm thick
Electric classification	Safety class II, Application Class A

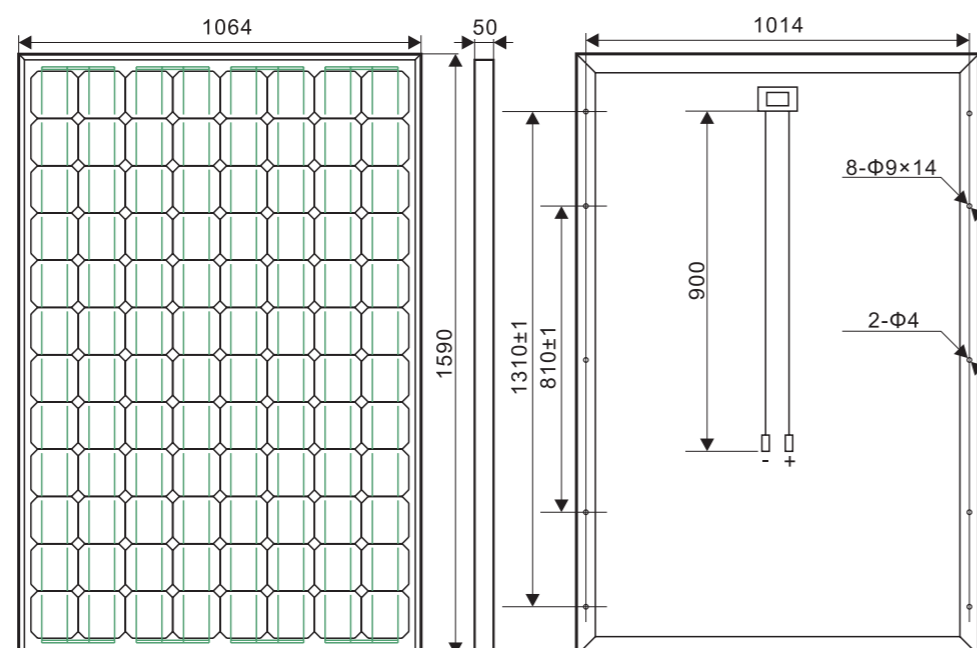
TOLERANCE

Parameter	Values	Unit
Operating temperature	-40+85	°C
Hail diameter @ 80Km/h	Up to 25	mm
Continuous wind pressure	Up to 130	Km/h

OUTPUT

Type of output terminal	Junction box(IP65)
Cable	900mm wire (Φ 4mm ²)
Connection	Locking type plug

DIMENSIONS



ELECTRICAL TYPICAL VALUES

Model	Rating Power (Pm)	Tolerance	Rated Current (Im)	Rated Voltage (Vm)	Short Circuit Current(Isc)	Open Circuit Voltage (Voc)	Module Efficiency	Cell Efficiency
SE220M-33/D	220W	+3%	4.82A	45.7V	5.26A	58.8V	13.0%	15.4%
SE230M-33/D	230W	+3%	4.93A	46.7V	5.34A	59.2V	13.6%	16.1%
SE240M-33/D	240W	+3%	5.04A	47.7V	5.41A	59.6V	14.2%	16.8%
SE250M-33/D	250W	+3%	5.15A	48.6V	5.49A	60.0V	14.8%	17.5%

NOCT: 45°C ± 2°C
 NOCT: Nominal Operation Cell Temperature

Temperature Coefficient Isc [%/°C] : 0.043
 Temperature Coefficient Voc [%/°C] : -0.34
 Temperature Coefficient Pm [%/°C] : -0.50

Note: defined as standard deviation of thousands measurements. Absolute power values depend on the measuring system. They can differ by +/-3% from one measuring system to another.

HIGH PERFORMANCE PHOTOVOLTAIC MODULES SERIES



ISO9001: 2000