

STC-6M-280-60P
270/275/280

60-Cell Series

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient
 caused by 5 busbar solar cell



Strictly control the micro-crack of solar cells and the other
 non visible defect of internal modules



Module can bear snow loads up to 5400Pa
 and wind loads up to 2400Pa



Manufactured according to and certified international I Quality
 and Environment Management System



Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light
 environment can also play a good performance.

SYSTEM&PRODVCTCERTIFICATES

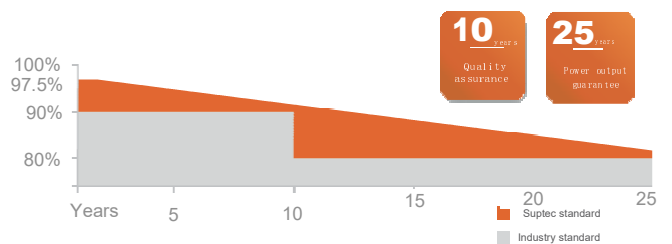
- IEC 61215 / IEC 61730
- ISO 9001 : 2015 Quality Management System
- ISO 14001 : 2015 Environment Management
- System OHSAS 18001 : 2007 Occupational Health and Safety Management Systems



QUALITY WARRANTY

Shenzhen Suptec Electronic Co LTD that defects will not appear in materials and workmanship defined by IEC61215, IEC61730 or UL1703 under normal installation, use and maintenance as specified in Suptec installation manual for 10 years from the warranty starting date.

PERFORMANCE WARRANTY



ELECTRICAL PARAMETERS

Performance at STC (Power Tolerance 0 ~+5W)

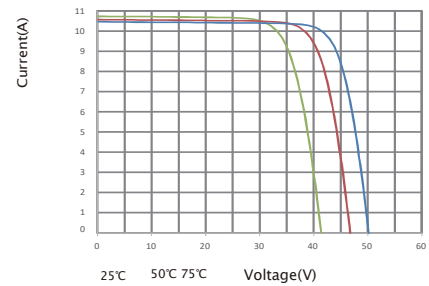
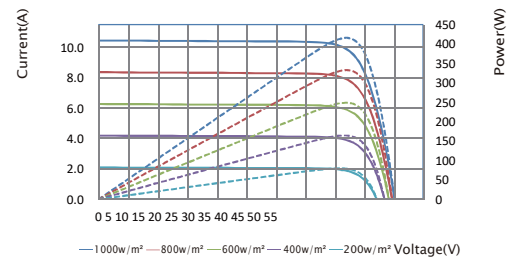
Maximum Power(Pmax/W)	270	275	280
Operating Voltage(Vmpp/V)	30.9	30.9	31.1
Operating Current(Imp/A)	8.74	8.9	9.01
Open-Circuit Voltage(Voc/V)	38.2	38.2	38.5
Short-Circuit Current(Isc/A)	9.3	9.35	9.44
Module Efficiency ηm(%)	16.5	16.8	17

Performance at NMOT

Maximum Power(Pmax/W)	201	205	209
Operating Voltage(Vmpp/V)	28.7	28.8	29
Operating Current(Imp/A)	7.01	7.13	7.25
Open-Circuit Voltage(Voc/V)	35.4	35.5	36.6
Short-Circuit Current(Isc/A)	7.6	7.64	7.68

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

Cell Type	Poly-Crystalline Silicon(5Busbar)
Cell Dimensions	158.75×158.75mm
Cell Arrangement	60
Weight	19.5kg
Module Dimensions	1650×990×40mm
Cable Length	900mm
Cable Cross Section Size	4mm ²
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	6
Packing Configuration (1)	26pcs/Pallet,728pcs/40hq
Packing Configuration (2)	26pcs+4pcs/Pallet,840pcs/40hq
Frame	Anodized Aluminum Alloy
Junction Box	IP65



Maximum System Voltage	1000V/DC(IEC)
Operating Temp	-40°C~+85°C
Maximum Series Fuse	15A
Static Loading	2400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible

Temperature Coefficient Pmax	-0.38%/°C
Temperature Coefficient Voc	-0.30%/°C
Temperature Coefficient Isc	+0.051%/°C
NMOT	42±2°C

