

260-280 Watt

POLY CRYSTALLINE MODULE

Positive power tolerance of 0~+5W

ISO9001:2008, ISO14001:2004
certified factory.
IEC61215, IEC61730 certified products.



KEY FEATURES



5 Busbar Solar Cell:

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



High Power Output:

Up to 280W and 17.11% efficiency, highest performing module of its Kind on the market



PID RESISTANT:

Excellent Anti-PID performance guarantee limited power degradation for mass production



Low-light Performance:

Excellent performance in low-light environments

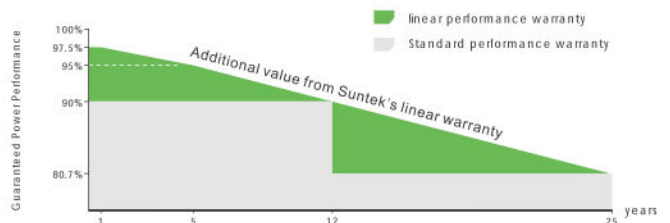


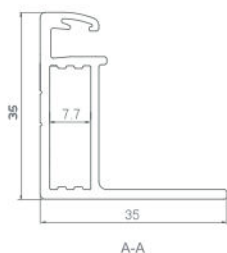
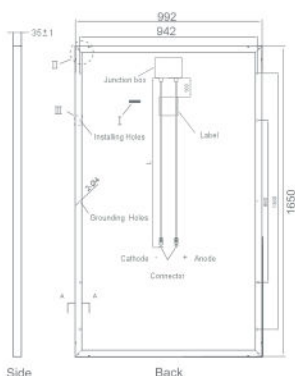
Severe Weather Resilience:

Certificated to bear 2,400Pa wind load and 5,400Pa snow load

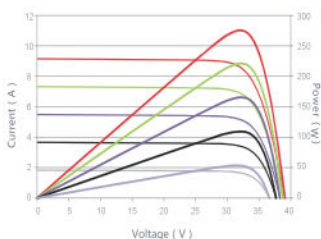
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

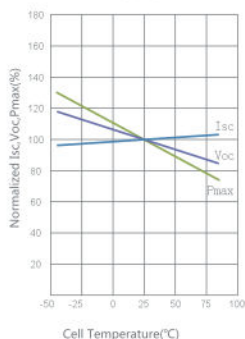




Current-Voltage & Power-Voltage Curves (275W)



Temperature Dependence of Isc, Voc, Pmax



ELECTRICAL DATE(STC)

Module model	ST-60P-260	ST-60P-265	ST-60P-270	ST-60P-275	ST-60P-280
Max.Power-Pmax(Wp)	260	265	270	275	280
Max.Power Voltage-Vmp(V)	30.8	31.0	31.2	31.4	31.6
Max.Power Current-Imp(A)	8.44	8.55	8.65	8.75	8.85
Open-circuit Voltage-Voc(V)	37.9	38.2	38.5	38.7	38.9
Short-circuit Current-Isc(A)	9.02	9.08	9.14	9.19	9.25
Module efficiency(%)	15.88	16.19	16.5	16.8	17.11
Power Output Tolerance-Pmax(W)	0~+5				

STC:1000W/m2 Irradiance,25°C Module Temperature,AM1.5g Spectrum

*Measuring Tolerance:+-3%

ELECTRICAL DATE(NOCT)

Module model	ST-60P-260	ST-60P-265	ST-60P-270	ST-60P-275	ST-60P-280
Max.Power-Pmax(Wp)	192	195	198	202	206
Max.Power Voltage-Vmp(V)	28.6	28.8	29.0	29.3	29.7
Max.Power Current-Imp(A)	6.71	6.77	6.82	6.89	6.94
Open-circuit Voltage-Voc(V)	35.2	35.4	35.7	36.1	36.5
Short-circuit Current-Isc(A)	7.25	7.31	7.37	7.43	7.49

NOCT: Irradiance at 800W/m2,Ambient Temperature 20°C, Wind Speed 1m/s

MACHANICAL CHARACTERISTICS

Solar Cells	Poly-cyrstalline 156.75*156.75mm(6 inch)
No.of Cells	60 (6*10)
Module Dimension	1650*992*35mm(65.00*39.1*1.37inch)
Module Weight	18.5Kg(40.8lb)
Front Glass	3.2mm,High Transmission,Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 or IP68 rated;3 Diodes
Output Cables	1*4.0mm2;900mm or 1200mm

OPERATING CONDITIONS

Max. system voltage	1000Vdc
Max. series fuse rating	15A
Operating temperature	-40°C~+85°C

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Pmax	-0.41%/°C
Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Isc	0.06%/°C

PACKAGING CONFIGURATION

Modules per Pallet	30pcs
Modules per Stack	60PCS
Modules per 40HQ	840PCS