

High Reliability, Production Efficiency and High Power Output

SAKURA mono solar cell modules have higher reliability. The highest power output can be 290W. They have excellent performance even under the low - temperature or low - light environment. We promise to provide high-efficiency, high power output Mono-crystalline silicon products, thus guarantee the return on investment.

Positive Power Tolerance

0~+5W positive tolerance of maximal power guaranteed.

High Conversion Efficiency

The highest efficiency up to 17.74%.

Excellent performance in Low irradiance

Outstanding power output in low irradiance conditions, such as dawn, dust and no-sun days.

Anti-PID

Anti-PID techniques of processing solar cells and encapsulating modules applied; adaptable for the installation in hot and highly humid areas.

Adaptability to the Harsh Environments

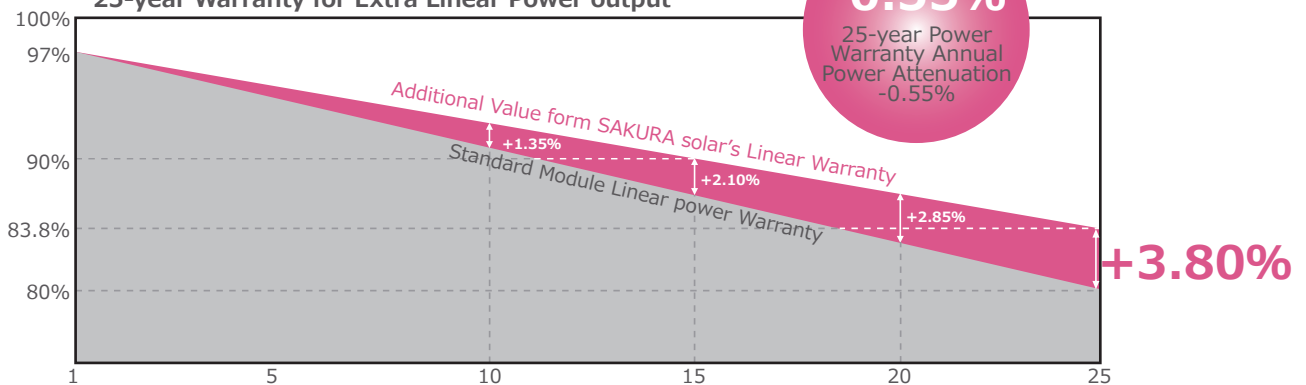
Excellent anti salt mist and anti-ammonia capability and is adaptable to the harsh environments, such as seaside and farms.

Super Robust Frame, 40mm Thickness

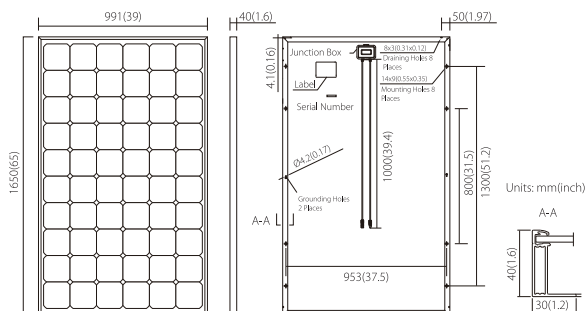
Good pressure resistance and able to bear 2400Pa wind load and 5400Pa snow load.



**10-year Warranty for Materials and Processing;
25-year Warranty for Extra Linear Power output**



Mechanical Detail (mm)



Mechanical Parameters

Number of Cells: 60 (6×10)
 Output Cable: 4mm², 1000mm inlength
 Connector: MC4 or compatible with MC4
 Weight: 18.2kg
 Dimension: 1650×991×40mm

Operating Parameters

Operating Temperature: -40℃~+85℃
 Maximum System Voltage(V): DC1000V(IEC)
 NOCT: 45℃±2℃

Electrical Characteristics

Type	SK-60-270M	SK-60-275M	SK-60-280M	SK-60-285M	SK-60-290M
Testing Condition	STC	STC	STC	STC	STC
Maximum Power(Pmax/W)	270	275	280	285	290
Open Circuit Voltage(Voc/V)	38.51	38.86	39.22	39.26	39.31
Short Circuit Current(Isc/A)	9.138	9.222	9.305	9.333	9.384
Voltage at Maximum Power(Vmp/V)	31.45	31.76	31.96	32.36	32.76
Current at Maximum Power(Impp/A)	8.611	8.676	8.769	8.805	8.853
Module Efficiency(%)	16.51	16.82	17.12	17.43	17.74

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25℃, Spectra at AM1.5

Temp.Coefficient (STC Testing)

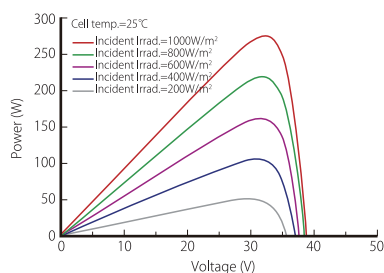
Temperature Coefficient of Voc: -0.330%/℃
 Temperature Coefficient of Pmax: -0.410%/℃

Load

Maximum Front Static Load (Snow): 5400Pa
 Maximum Rear Static Load (Wind): 2400Pa

I-V Curve

Power-Voltage Curve (SK-60-275W)



Current-Voltage Curve (SK-60-275W)

