

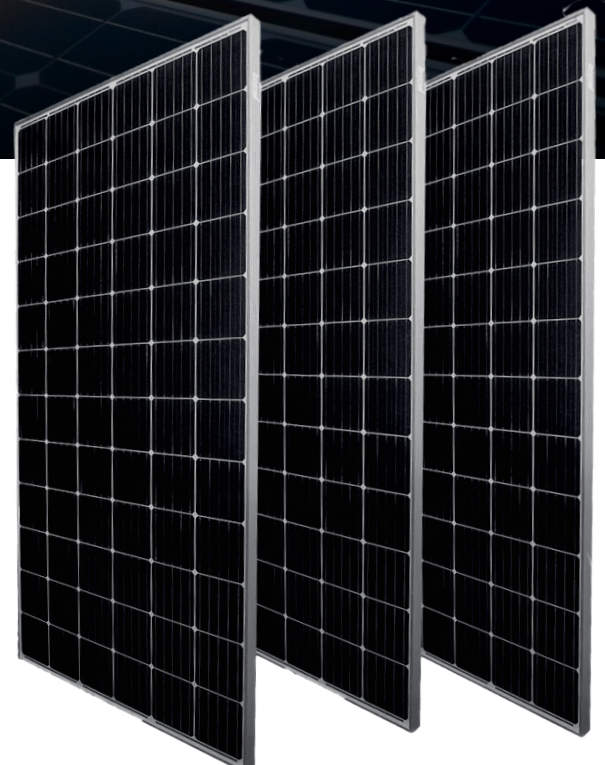
POWER YOUR FUTURE

MONO

SP-CORE-M60

INTRODUCCION

SUNIOP panel combined creative technology effectively and extremely improved the module efficiency and power output.



5 KEY FEATURES



HIGHER OUTPUT POWER



LOW LIGHT FEATURES

Higher performance under low light environment.



LOAD CAPACITY

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done.



PID PROTECTION

Ensure the attenuation probability caused by PID phenomenon is minimized.



HARSH ENVIRONMENTAL ADAPTABILITY

Strict salt spray and ammonia corrosion test.

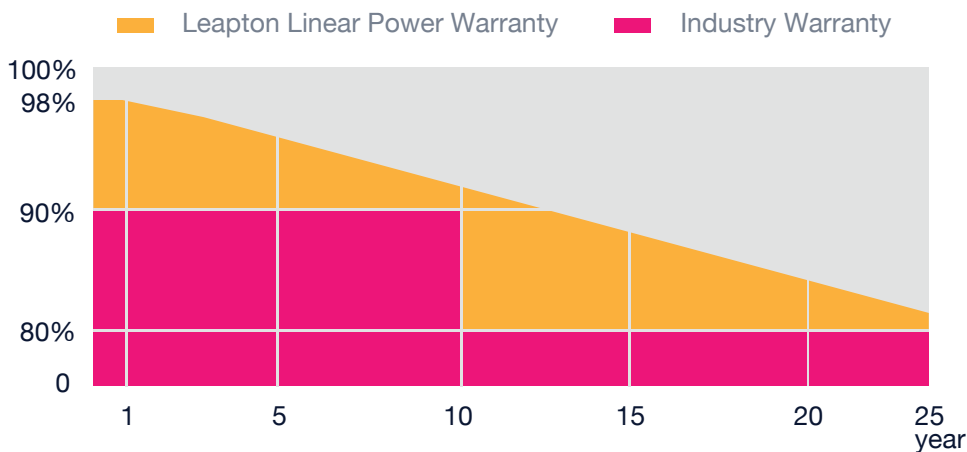


BYPASS DIODES PROTECTION

5 SUPERIOR WARRANTY

▶ 10 YEAR PRODUCT WARRANTY

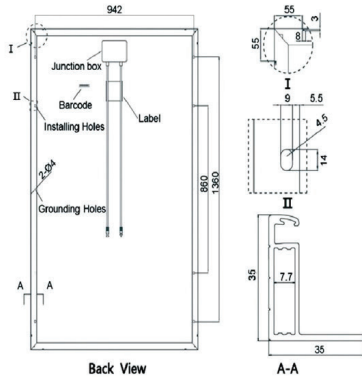
▶ 25 YEAR LINEAR POWER OUTPUT WARRANTY



MONOCRYSTALLINE SILICON SOLAR PANEL - SP-M60-280W



MECHANICAL DIAGRAMS



SPECIFICATIONS

Frame Material	Anodized Aluminium Alloy
Front Glass	Tempered Glass
Black Cover	TPT (Composite film)
Cell Encapsulant	EVA
Junction box	IP67
Cables	4mm ² , 90cm
Connector	MC4
Max wind load	2400Pa
Max snow load	5400Pa
Dimension	1650*992*35mm
Size of cells (mm)	156*156
Number of cells	60(6*10)
Cells grade	A

ELECTRICAL PARAMETERS AT STC

Module type	SP-M60-280
Power	280 W
Open Circuit Voltage (Voc)	38.36 V
Short Circuit Current (Isc)	9.22 A
Maximum Power Voltage (Vmpp)	31.5 V
Maximum Power Current (Impp)	8.89 A
Module Efficiency (%)	18.5 %
Power Tolerance	±3%
Maximum System Voltage	1000 VDC

Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL PARAMETERS AT NOCT

Power	215 W
Open Circuit Voltage (Voc)	36.2 V
Short Circuit Current (Isc)	7.71 A
Maximum Power Voltage (Vmpp)	29.6 V
Maximum Power Current (Impp)	7.26 A

NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Wind speed 1m/s, AM1.5G

PACKING CONFIGURATION

Modules/Pallet	31 Pieces
Modules/Case	2 Pieces
Modules/Pallet/40'Container	938 Pieces
Modules/Case/40'Container	1092 Pieces

TEMPERATURE COEFFICIENT

NOCT	47°C (± 2°C)
TEMPERATURE COEFFICIENT of Pmax	-0.45%/°C
TEMPERATURE COEFFICIENT of Voc	-0.35%/°C
TEMPERATURE COEFFICIENT of Isc	-0.05%/°C
Operating Temperature	-47°C ~ + 85°C

I-V CURVES

