

120-Cell
MONOCRYSTALLINE MODULE

325-340W
POWER OUTPUT RANGE

19.9%
MAXIMUM EFFICIENCY

0 ~ +6W
POSITIVE POWER TOLERANCE

TYPE:
SDM325,SDM330,SDM335,SDM340



High power output

- Reduce BOS cost with high power bin and 1500V system voltage
- New cell string layout and split J-box location reduces the energy loss caused by inter-row shading
- Lower resistance of half-cut cells ensures higher power



High energy generation, low LCOE

- Excellent 3rd party validated IAM and low light performance with cell process and module material optimization
- Integrated LRF(Light Redirecting Film) to enhance power
- Low P_{max} temp coefficient (-0.36%) increases energy production
- Better anti-shading performance and lower operating temperature



Certified to perform in highly challenging environments

- High PID resistance through cell process and module material control
- Resistant to salt, acid, sand, and ammonia
- Certified to 5400 Pa positive load and 2400 Pa negative load



Easy to install, Wide application

- Frame design enables compatibility with standard installation methods
- Deployable for ground mounted and rooftop projects
- Safe and easy to transport, handle, and install

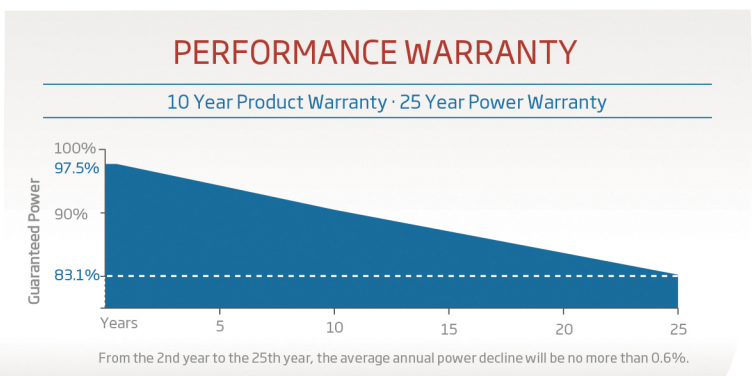
Our factory has been engaged in solar products manufacturing related to high quality and competitive prices since 2013 with 2 hours' drive from Shanghai city, our brand Sunday Energy was originated from Italy in 2009 and now it is getting more and more convincing from Australia/Brazil/Japan/South Africa/India/Thailand/Philippines/Jordan/Yemen Republic/Turkey/Bangladesh...etc. We have the availability of making Silicon PV modules concerning all kinds from 3Wp~600Wp (96 cells, 2070*1390*45mm), with the latest technologies and worldwide famous raw materials for encapsulating, and the annual capacity of factory is 600 MW including standard and customized panels. All of our clients have been well benefited and greatly reputed from their own marketplaces.

Comprehensive Products and System Certificates

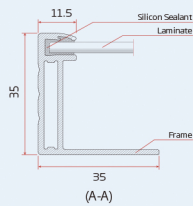
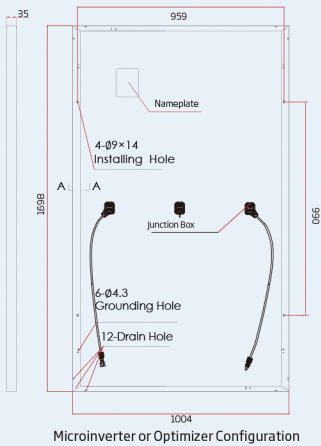
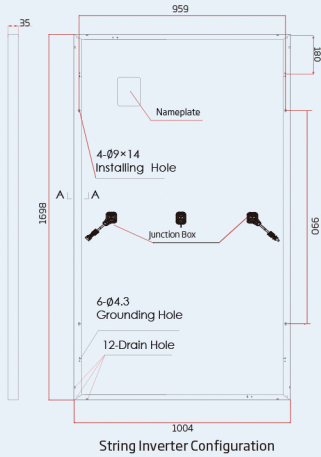
IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Veriycation
OHSAS 18001: Occupation Health and Safety Management System



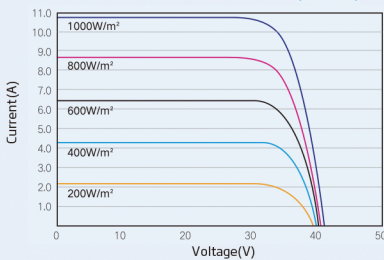
Email: sales@sundayenergy.cn
Web: www.sundayenergy.cn



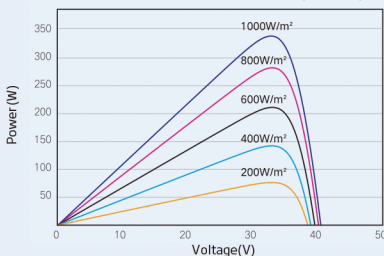
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(340W)



P-V CURVES OF PV MODULE(340W)



ELECTRICAL DATA (STC)

Peak Power Watts- P_{MAX} (Wp)*	325	330	335	340
Power Output Tolerance- P_{MAX} (W)	0 ~ +6			
Maximum Power Voltage- V_{MPP} (V)	33.6	33.8	34.0	34.2
Maximum Power Current- I_{MPP} (A)	9.67	9.76	9.85	9.94
Open Circuit Voltage- V_{OC} (V)	40.4	40.6	40.7	41.1
Short Circuit Current- I_{SC} (A)	10.3	10.4	10.5	10.6
Module Efficiency η_m (%)	19.1	19.4	19.7	19.9

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measurement tolerance: ±3%.

ELECTRICAL DATA (NMOT)

Maximum Power- P_{MAX} (Wp)	245	249	253	257
Maximum Power Voltage- V_{MPP} (V)	31.3	31.4	31.5	31.8
Maximum Power Current- I_{MPP} (A)	7.84	7.93	8.01	8.08
Open Circuit Voltage- V_{OC} (V)	38.1	38.2	38.3	38.7
Short Circuit Current- I_{SC} (A)	8.31	8.39	8.47	8.55

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

MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	120 cells (6×20)
Module Dimensions	1698 x 1004 x 35 mm (66.85 × 39.53 × 1.38 inches)
Weight	18.7 kg (41.2 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	35 mm (1.38 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²) Portrait: N 140mm/P 285mm (5.51/11.22 inches) Landscape: N 1400 mm /P 1400 mm (55.12/55.12 inches)
Connector	MC4

TEMPERATURE RATINGS

NMOT (Nominal Module Operating Temperature)	41°C (±3°C)
Temperature Coefficient of P_{MAX}	- 0.37%/°C
Temperature Coefficient of V_{OC}	- 0.29%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1500V DC (IEC) 1500V DC (UL)
Max Series Fuse Rating	20A

WARRANTY

10 year Product Workmanship Warranty
25 year Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 660 pieces