

High-efficiency 182 PERC Module

125W-140W

◆ KEY FEATURES



High Efficiency

By utilizing MBB half-cell technology to increase energy density, the conversion efficiency can reach 21.86%.



High Reliability

3 times IEC's new standard testing, a 12-year material warranty and a 25-year power warranty to ensure high reliability.



Anti-PID

By utilizing advanced cell production technology and rigorous materials control, the attenuation caused by PID can be minimized.



Low Risk of Micro-cracks

Lower the risk of micro-cracking and broken busbar due to MBB cells.



Easy Installation, Convenient Usage

Convenient installation, time and effort saving.



◆ PRODUCT CERTIFICATION

- Through various long-term reliability tests
- EL testing before and after lamination to ensure the reliability.
- Adhering to strict international standard management systems ISO 9001, ISO 14001 and OHSAS 18001
- Passing various rigorous environmental tests (salt spray, ammonia, and dust-proof testing such as IEC 61701, IEC 62716, DIN EN 60068-2-68)



SP-M10/36H-125W-140W

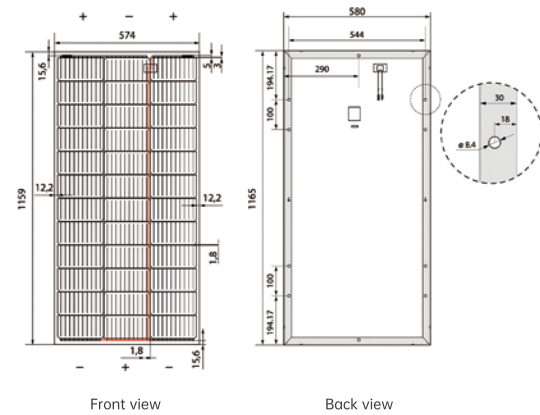
ELECTRICAL CHARACTERISTICS

Module Type	SNP-M10-36H-125W		SNP-M10-36H-130W		SNP-M10-36H-135W		SNP-M10-36H-140W	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax)	125	98	130	102	135	106	140	110
Maximum Power Voltage (Vmp)	19.21	18.65	19.41	18.85	19.61	19.05	19.81	19.25
Maximum Power Current (Imp)	6.51	5.26	6.70	5.42	6.89	5.57	7.07	5.72
Open Circuit Voltage (Voc)	22.80	22.22	23.00	22.42	23.20	22.62	23.40	22.82
Short Circuit Current (Isc)	6.82	5.55	7.02	5.70	7.21	5.87	7.39	6.03
Module Efficiency (% η)	18.50%		19.24%		19.98%		20.72%	

STC:AM=1.5, irradiance=1000W/m², module temperature=25°C

MECHANICAL PARAMETERS

Solar Cells	Monocrystalline(182cm)
No. of Cells	36[12x3]
Module Dimension (L×W×H)	1165*580*15mm
Weight	6.5kg
Glass	2.0mm,High-transparency,AR Coated Heat Strengthened Glass
Encapsulant Material	EVA/POE
Backsheet	Black
Frame	15*30mm,Black,Anodized Aluminum Alloy
J- Box	IP68
(Including Connector)	Length Portrait:700/700mm(can be customized)
Connector	MC4 Compatible
Output Cables	Cable length 1.5m, Cable dia 2.5mm



TEMPERATURE RATINGS

NMOT (Nominal Operating Temperature)	45°C(±2°C)
Temperature Coefficient of Pmax	-0.350%/°C
Temperature Coefficient of Voc	-0.275%/°C
Temperature Coefficient of Isc	+ 0.045%/°C

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

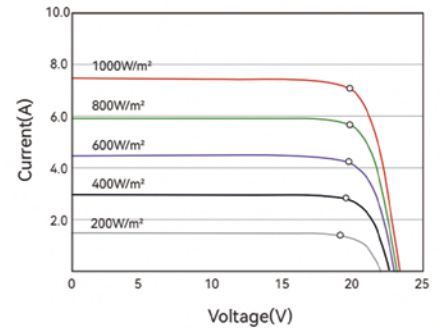
OPERATING PARAMETERS

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1000v DC(IEC)
Maximum Series Fuse Rating	15A
Bifacility	/

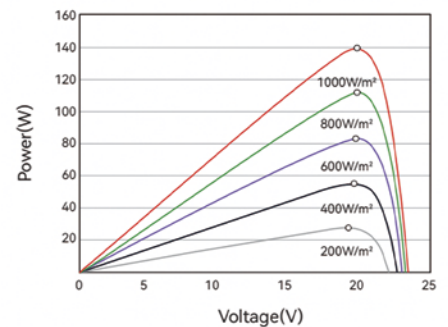
PACKING CONFIGURATION

Pieces per Pallet	70
Pieces per 40'HC	3640

I-V Curves of PV Module (140W)



P-V Curves of PV Module (140W)



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Specifications are subject to change without prior notice.
 SolarPlus reserves the right of final interpretation.

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