

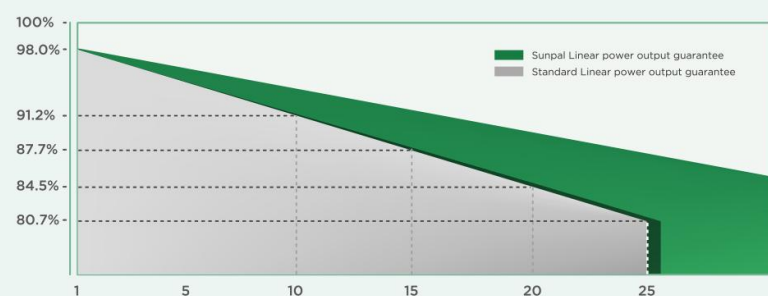


# Customized Mono Solar Panel

35-120W

166mm 32 Cells High Efficiency Monocrystalline PV Module

- Excellent power generation performance**  
Guaranteed 0-+3% positive rated power tolerance ensures more power generation every day
- Stable mechanical performance**  
Passed rigorous hail test  
Withstands 5400Pa snow and 2400Pa wind loads
- Low-light Performance**  
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.
- Long weather resistance**  
Excellent anti-PID(Potential Induced Degradation)  
Certified in fireproofing for safety
- Lower temperature coefficient**  
Improved temperature coefficient decreases power loss in the high temperature application.
- Superior quality control**  
ISO 9001:2015 Quality Management System  
100% EL and appearance inspection



#### Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730  
 ISO 9001:2008: ISO Quality Management System  
 ISO 14001: 2004: ISO Environment Management System  
 OHSAS 18001: 2007 Occupational Health and Safety



# 35~120W

## Design (mm)

Cell Orientation	32 (4x8)	Operational Temperature	-40°C-+85°C
Junction Box	IP68, three diodes	Power Output Tolerance	0-+5W
Output Cable	4mm <sup>2</sup> , 300mm in length length can be customized	Voc & Isc Tolerance	±3% 20A
Glass	Single glass 3.2mm coated tempered glass	Max. Series Fuse Ratin	45±2°C
Frame	Anodized aluminum alloy frame	Frame	Anodized aluminum alloy frame
Fire Rating	UL type 1 or 2	Max. Static Load(Front)	5400Pa
Max. System Voltage	DC1500V(IEC/UL)	Max. Static Load(Back)	2400Pa

## 35W-60W ELECTRICAL DATA(STC)

Model Number	SP35M-32	SP40M-32	SP45M-32	SP50M-32	SP55M-32	SP60M-32
Testing Condition	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	35	40	45	50	55	60
Open Circuit Voltage (Voc/V)	21.22	21.10	21.60	21.10	21.03	21.60
Short Circuit Current (Isc/A)	2.07	2.43	2.58	3.04	3.34	3.42
Voltage at Maximum Power (Vmp/V)	18.11	18.01	18.53	18.01	18.07	18.53
Current at Maximum Power (Imp/A)	1.93	2.22	2.43	2.78	3.04	3.24
Module Weight (Kg)	2.35	2.90	2.90	3.80	3.80	3.80
Module Dimension (mm)	600*365*30	730*365*30	730*365*30	500*700*30	500*700*30	500*700*30

## 65W-90W ELECTRICAL DATA(STC)

Model Number	SP65M-32	SP70M-32	SP75M-32	SP80M-32	SP85M-32	SP90M-32
Testing Condition	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	65	70	75	80	85	90
Open Circuit Voltage (Voc/V)	22.02	21.34	21.76	21.10	21.34	21.63
Short Circuit Current (Isc/A)	3.55	4.10	4.20	4.86	4.98	5.13
Voltage at Maximum Power (Vmp/V)	19.20	18.24	18.78	18.01	18.24	18.56
Current at Maximum Power (Imp/A)	3.39	3.84	3.99	4.44	4.66	4.85
Module Weight (Kg)	3.80	4.45	4.45	5.45	5.45	5.45
Module Dimension (mm)	500*700*30	585*700*30	585*700*30	720*700*30	720*700*30	720*700*30

## 95W-120W ELECTRICAL DATA(STC)

Model Number	SP95M-32	SP100M-32	SP105M-32	SP110M-32	SP115M-32	SP120M-32
Testing Condition	STC	STC	STC	STC	STC	STC
Maximum Power (Pmax/W)	95	100	105	110	115	120
Open Circuit Voltage (Voc/V)	21.89	21.03	21.25	21.66	21.92	21.60
Short Circuit Current (Isc/A)	5.25	6.07	6.18	6.24	6.34	6.85
Voltage at Maximum Power (Vmp/V)	19.01	18.07	18.18	18.59	19.04	18.53
Current at Maximum Power (Imp/A)	5.00	5.53	5.78	5.92	6.04	6.48
Module Weight (Kg)	5.45	6.45	6.45	6.45	6.45	7.15
Module Dimension (mm)	720*700*30	850*700*30	850*700*30	850*700*30	850*700*30	940*700*30