



500~510W

G12R solar panels Zeus series

Mono SMBB TOPCon large size half cut
double glass solar panel

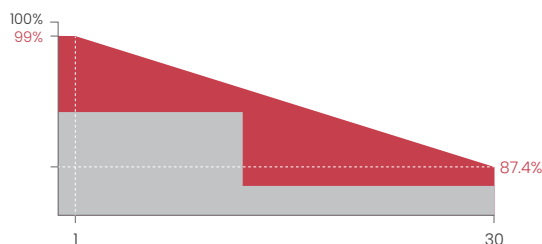
Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for industrial and commercial and distributed scenarios.

MODULE CHARACTER

-  Exceptional PID Resistance
-  Salt mist resistance/Ammonia resistance
/dust and hail resistance
-  Production process reliability test
-  0~+5W Positive Tolerance
-  **LID** Lower LID / LETID
-  Reduce BOS cost increase ROI
-  Non-destructive cutting

CERTIFICATION

IEC61215/IEC61730
ISO9001:Quality Management System
ISO14001:Environmental Management System
ISO45001:Occupational Health and Safety Management System



Linear performance warranty



Product warranty

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⚠ If any update, Sunrise would not make further notice. Sunrise reserves the right of final interpretation.



Module Type	SR-54M 500NHLProDR		SR-54M 505NHLProDR		SR-54M 510NHLProDR	
Module Efficiency (%)	22.51		22.73		22.96	
Tolerance (W)	0~+5		0~+5		0~+5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	500	377.20	505	380.97	510	384.74
Open Circuit Voltage Voc(V)	40.23	38.43	40.46	38.65	40.69	38.87
Short Circuit Current Isc(A)	15.90	12.83	15.96	12.88	16.03	12.94
Maximum Power Voltage Vm(V)	33.24	31.19	33.43	31.37	33.62	31.55
Maximum Power Current Im(A)	15.05	12.14	15.11	12.18	15.18	12.24
Cell Type	MBB-Mono-Crystalline Silicon					
Number of Cells (Pcs)	108(6×18)					
Maximum System Voltage (V)	DC1500					
Temp.Coeff.of Voc (%/°C)	-0.24					
Temp.Coeff.of Isc (%/°C)	0.04					
Temp.Coeff.of Pm (%/°C)	-0.29					
Operating Temperature (°C)	-40 to 85					
Nominal Operating Cell Temperature(NOCT) (°C)	43±2					
Max.Series Fuse (A)	30					
Pressure Bearing (Pa)	5400					
Wind Bearing (Pa)	2400					

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

Different backside power gains(510W)	10%	15%	20%	25%
Peak Power Pmax(W)	561	586.5	612	637.5
Open Circuit Voltage Voc(V)	40.70	40.72	40.73	40.74
Short Circuit Current Isc(A)	17.62	18.41	19.21	20.00
Maximum Power Voltage Vm(V)	33.63	33.64	33.65	33.66
Maximum Power Current Im(A)	16.68	17.43	18.19	18.94

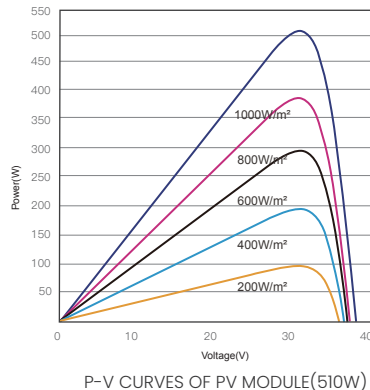
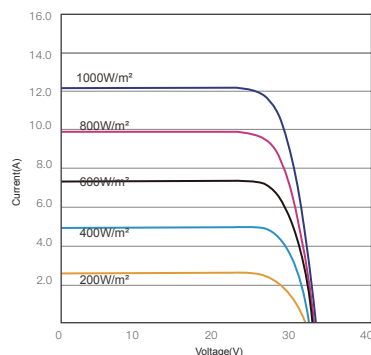
MATERIAL DETAILS

Frame	Anodized aluminum	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cell	6×18pcs mono solar cell	Junction Box	Ip≥68, TÜV&UL
Glass	2×2.0mm Anti-Reflection Coating Heat Strengthened Glass	Net length of Cable	350mm or as customer's requirements

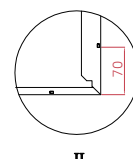
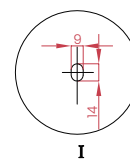
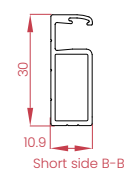
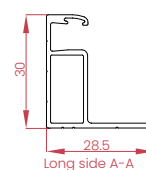
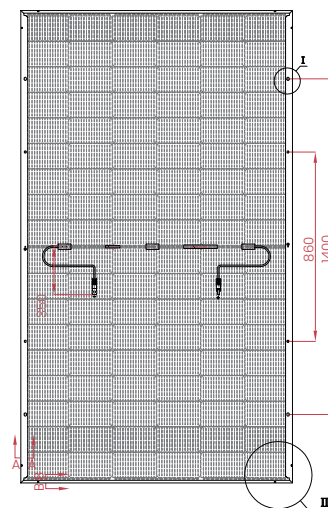
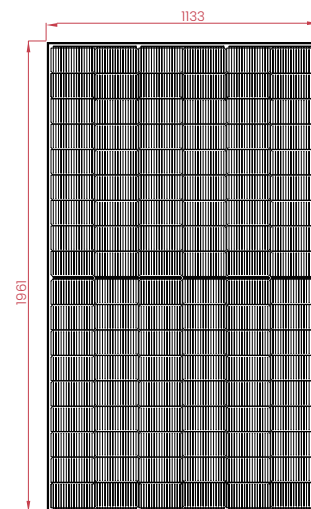
PACKING DETAILS

Dimension	1961×1133×30mm	Weight	26.9kg
Loading Capacity	888pcs/40'HC	Packing	37pcs/pallet

IV CURVES



ENGINEERING DRAWINGS



Length: ±2mm
Width : ±2mm
Thickness : ±1mm
Pitch-row : ±2mm