



Ying Series PERC Mono Single Glass Module

650-670W 132



Product Features



Low risk of cracking

Adopting Multi-busbar technology it has stronger ability to resist hidden cracks and prevent breakage.



PID resistance guarantee

Minimize the probability of attenuation caused by PID phenomenon through optimization of cell production technology and material control.



Better power generation performance

The series parallel design reduces the series resistance R_s and reduce internal electrical performance losses



Lower electrical losses

The multi-busbar design effectively reduces the impact of hidden cracks and broken and the half cut cell structure effectively reduces the impact of shadow occlusion.

Product System And Certification

- ISO 9001
- ISO 14001
- ISO 45001
- IEC 61215
- IEC 61730



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Leading Quality Standards

15 year

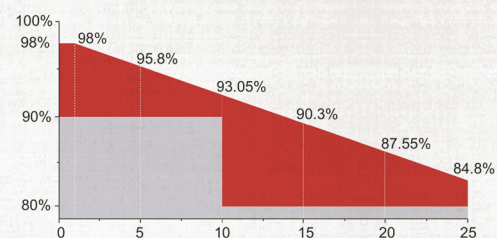
Quality assurance

30 year

Power guarantee

-0.55 %

Annual decay



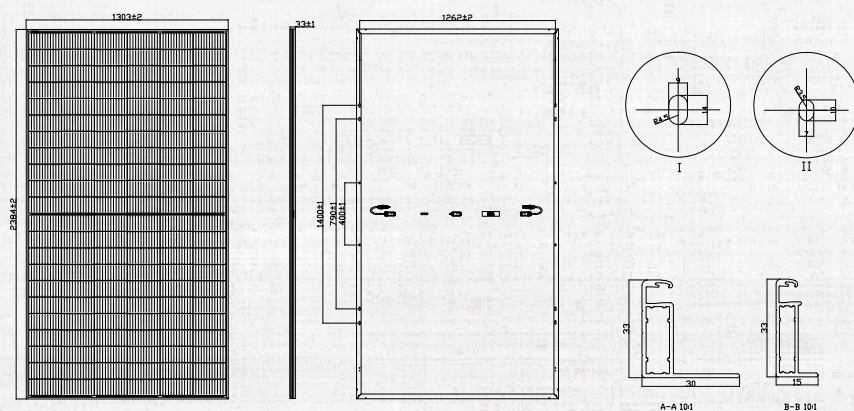
Mechanical Parameters

Cell	P-type PERC (132)
Dimensions	2384±2mm×1303±2mm×33±1mm
Weight	34kg±3%
Glass	3.2mm AR coating tempered glass,low iron
Frame	Anodized aluminium alloy
Junction box	IP68,3 diodes
Wireway	4mm ² , 350mm (+) /350mm (-) or customized length
Packaging	33 pieces/pallet
Loading quantity	20GP: 132 pieces, 40GP: 264 pieces, 40HQ: 528pieces, 13 meter truck: 528pieces, 17.5 meter truck: 858pieces

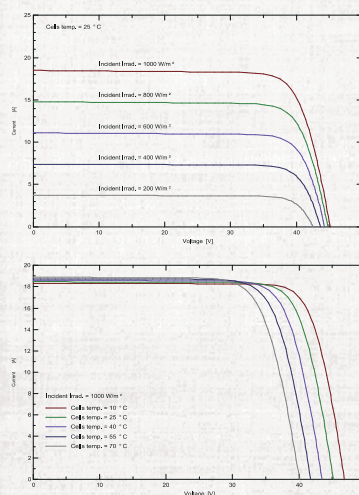
Operation Parameters

Maxsystem voltage	1500V DC
Operating Temperature	-40°C ~+85°C
Fuse's rated current	30A
Maxload front	5400Pa
Maxload back	2400Pa
Normal Operating Cell Temperature	45±2°C
Safety level	Class II
Fire performance	UL Type I

Drawing



I-V Curve



Electrical Parameters

Module	JKL132-C-650MH		JKL132-C-655MH		JKL132-C-660MH		JKL132-C-665MH		JKL132-C-670MH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power [W]	650	492	655	496	660	500	665	504	670	508
Maximum working voltage [V]	37.39	34.89	37.59	35.09	37.79	35.29	37.99	35.49	38.19	35.69
Maximum working current [A]	17.39	14.11	14.43	14.14	17.47	14.17	17.51	14.21	17.55	14.24
Open circuit voltage [V]	45.29	42.59	45.49	42.79	45.69	42.99	45.89	43.19	46.09	43.39
Short circuit current [A]	18.43	14.84	18.49	14.88	18.52	14.93	18.58	14.98	18.63	15.03
EFF [%]	20.92%		21.09%		21.25%		21.41%		21.57%	
Power tolerance (W)	0 ~+5W									
Short circuit current temperature coefficient	+0.051%/°C									
Open circuit voltage temperature coefficient	-0.260%/°C									
Maximum power temperature coefficient	-0.340%/°C									
STC	Irradiance 1000W/m ² , Cell temperature 25° C,Spectral AM1.5									
NOCT	Irradiance 800W/m ² , Ambient temperature 20°C , Spectrum AM1.5, Wind speed 1m/s									

Note: The electrical performance in this product catalog do not only refer to a single module, or are they promised in the contract. The electrical parameters are only used for comparison between different module types.