



**Ying Series
PERC Mono
Bifacial Glass Module**

580-600W 156



Product Features



Double sided power generation

The gain of double-sided power generation increases with the back light exposure, reaching up to 25% significantly reducing LCOE.



Better power generation performance

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



Excellent electricity generation

Excellent version design effectively enhances module output power.



Low attenuation

The first year attenuation is less than 2.0% with a linear attenuation of 0.55% per year within 25 years

Product System And Certification

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



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Leading Quality Standards

15 year

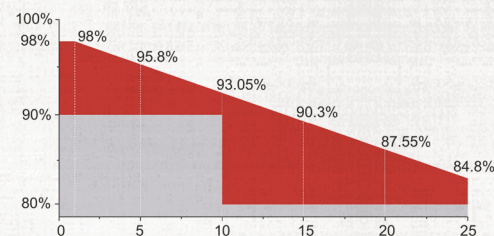
Quality assurance

30 year

Power guarantee

-0.55 %

Annual decay



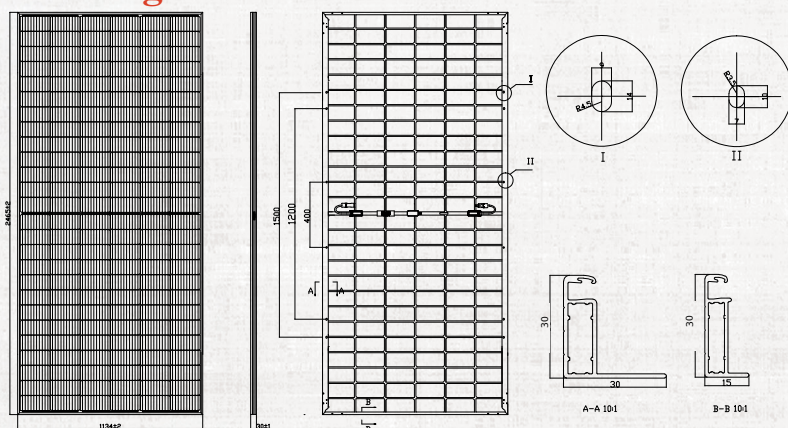
Mechanical Parameters

Cell	P-type PERC (156)
Dimensions	2465±2mm×1134±2mm×30±1mm
Weight	35kg±3%
Glass	2.0mm AR coating heatstrengthened glass,low iron
Frame	Anodized aluminium alloy
Junction box	IP68,3 diodes
Wireway	4mm ² , 350mm (+) /350mm (-) or customized length
Packaging	36pieces/pallet
Loading quantity	20GP: 144 pieces, 40GP: 288 pieces, 40HQ: 576pieces, 13 meter truck: 576pieces, 17.5 meter truck: 792pieces

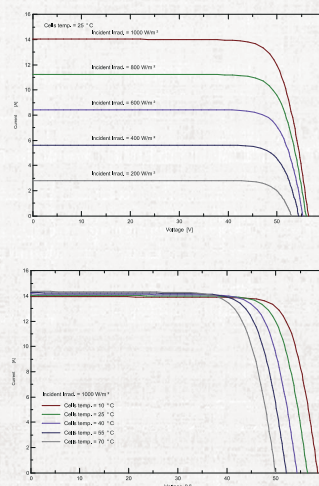
Operation Parameters

Maxsystem voltage	1500V DC
Operating Temperature	-40°C ~+85°C
Fuse's rated current	25A
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	JKL156-B-585MB			JKL156-B-590MB			JKL156-B-595MB			JKL156-B-600MB		
	(FS) STC	(FS) NOCT	(RS) STC	(FS) STC	(FS) NOCT	(RS) STC	(FS) STC	(FS) NOCT	(RS) STC	(FS) STC	(FS) NOCT	(RS) STC
Maximum power [W]	585	445	409	590	449	413	595	453	416	600	497	420
Maximum working voltage [V]	53.75	49.69	45.31	53.88	49.91	45.63	54	50.13	45.75	54.12	50.35	45.98
Maximum working current [A]	13.73	11.35	9.71	13.8	11.39	9.89	13.87	11.43	9.99	13.94	11.47	10.65
Open circuit voltage [V]	45.6	41.47	53.66	45.74	41.69	53.68	45.88	41.91	53.71	46.01	42.12	53.98
Short circuit current [A]	12.83	10.73	10.36	12.9	10.77	10.38	12.97	10.81	11.21	13.04	10.85	11.34
EFF [%]	20.93%			21.17%			21.29%			21.46%		
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.