



Ying Series PERC Mono Single Glass Module

580-600W 156



Product Features



Lower electrical losses

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



Low risk of hot spots

Adopting new generation cell technology and optimizing circuit design to achieve better temperature coefficient and thermal resistance.



Excellent low light performance

It can output more electricity under low light conditions such as haze cloudy days, morning and evening



Better reliability

Strict quality control and TUV Rheinland, CE, testing certification ensure higher module reliability.

Product System And Certification

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



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Leading Quality Standards

15 year

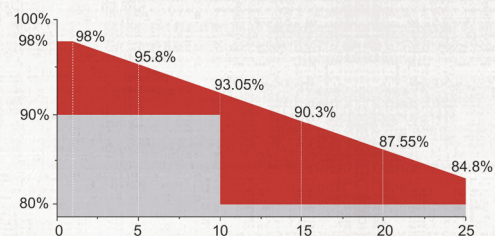
Quality assurance

30 year

Power guarantee

-0.55 %

Annual decay



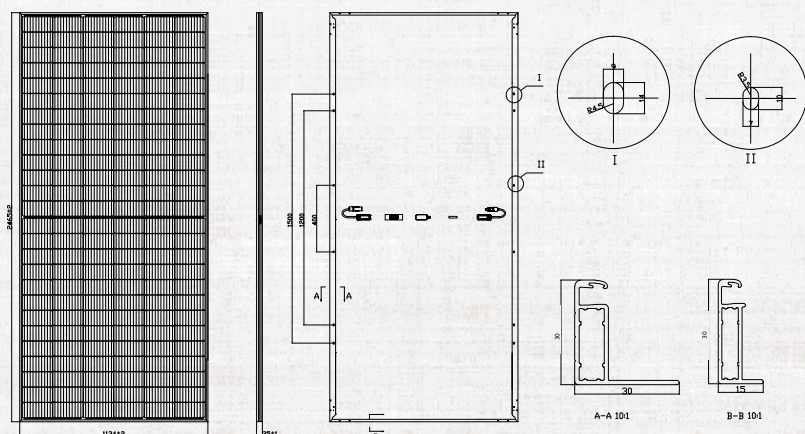
Mechanical Parameters

Cell	P-type PERC (156)
Dimensions	2465±2mm×1134±2mm×30±1mm
Weight	29kg±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	36pieces/pallet
Loading quantity	20GP: 144 pieces, 40GP: 288 pieces, 40HQ: 576pieces, 13 meter truck: 576pieces, 17.5 meter truck: 792pieces

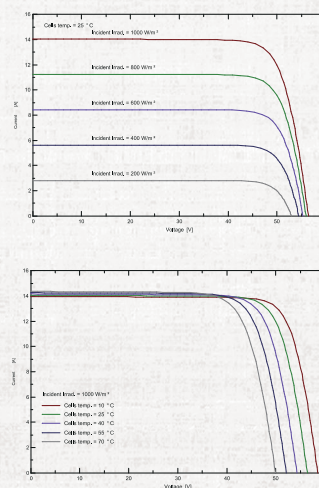
Operation Parameters

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-580MH		JKL156-B-585MH		JKL156-B-590MH		JKL156-B-595MH		JKL156-B-600MH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power [W]	580	441	585	445	590	449	595	453	600	497
Maximum working voltage [V]	53.62	49.47	53.75	49.69	53.88	49.91	54	50.13	54.12	50.35
Maximum working current [A]	12.76	11.31	13.73	11.35	13.8	11.39	13.87	11.43	13.94	11.47
Open circuit voltage [V]	45.45	41.25	45.6	41.47	45.74	41.69	45.88	41.91	46.01	42.12
Short circuit current [A]	12.76	10.69	12.83	10.73	12.9	10.77	12.97	10.81	13.04	10.85
EFF [%]	20.75%		20.93%		21.07%		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.