



Ying Series PERC Mono Single Glass Module

535-560W 144



Product Features



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.



Better reliability

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



PID resistance guarantee

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



Low risk of cracking

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

Product System And Certification

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



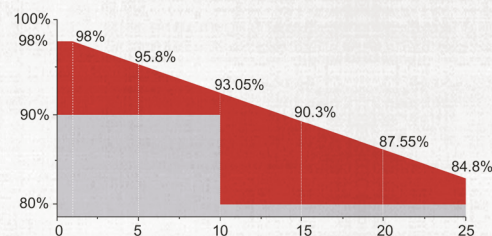
Add.: Changzhi, Shanxi, China
 Tel: +86 355 5916888
 Email: info@luansolar.com
 https://www.luansolar.com

Leading Quality Standards

15 year
Quality assurance

30 year
Power guarantee

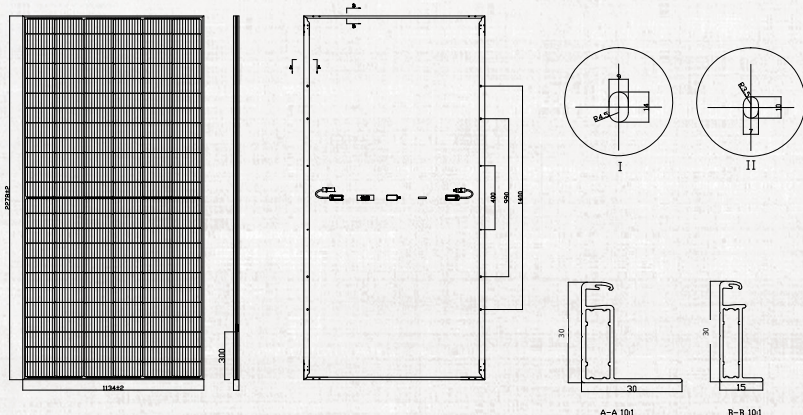
-0.55 %
Annual decay



Mechanical Parameters

Cell	P-type PERC (144)
Dimensions	2278±2mm×1134±2mm×30±1mm
Weight	27kg±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: 180pieces, 40GP: 360pieces, 40HQ: 720pieces, 13 meter truck: 720pieces, 17.5 meter truck: 864pieces

Drawing



Electrical Parameters

Module	JKL144-B-535MH		JKL144-B-540MH		JKL144-B-545MH		JKL144-B-550MH		JKL144-B-555MH		JKL144-B-560MH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power [W]	535	404	540	408	545	411	550	415	555	420	560	424
Maximum working voltage [V]	41.57	38.41	41.75	38.61	41.87	38.71	42.05	38.9	42.12	38.95	42.35	39.13
Maximum working current [A]	12.87	10.53	12.94	10.58	13.02	10.63	13.08	10.67	13.18	10.8	13.22	10.84
Open circuit voltage [V]	49.39	46.41	49.54	46.51	46.69	46.71	49.88	46.9	49.97	46.98	50.05	47.08
Short circuit current [A]	13.83	11.08	13.89	11.13	13.96	11.18	14.01	11.22	14.09	11.33	14.16	11.4
EFF [%]	20.71%		20.91%		21.11%		21.29%		21.48%		21.68%	
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.

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

I-V Curve

