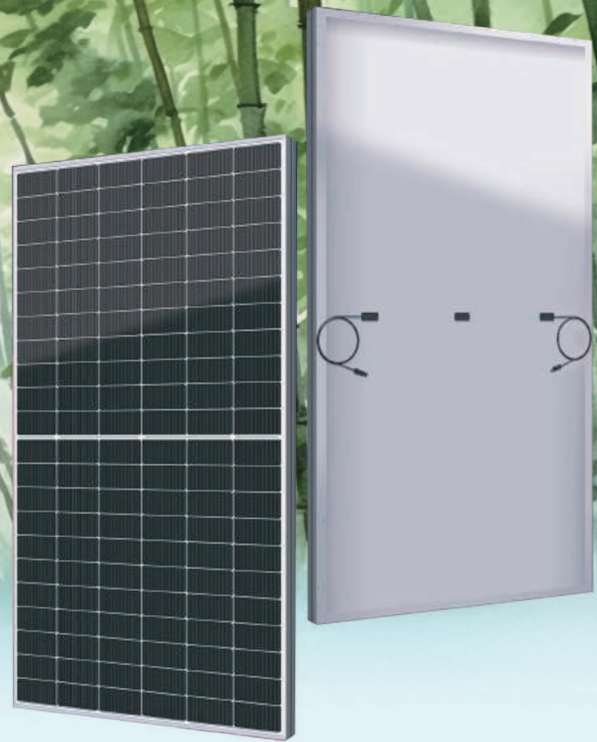




Zhu Series
TOPCon
Single Glass Module

690-710W 132



Product Features



High power

Applying N-type multi-busbar half cut technology to improve energy density and bring higher output power.



Low attenuation

The first year attenuation is less than 1.0% with a linear attenuation of 0.4% per year for 30 years



Better power generation performance

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



High yield

Effectively reduce system BOS costs achieve lower electricity consumption costs, and improve project profitability.

Product System And Certification

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



Leading Quality Standards

15 year

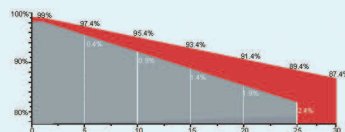
Quality assurance

30 year

Power guarantee

-0.40%

Annual decay



Add: Changzhi, Shanxi, China

Tel: +86 355 5916888

Email: info@luansolar.com

https://www.luansolar.cn

whats App

+86 15034505373

+86 15835562631

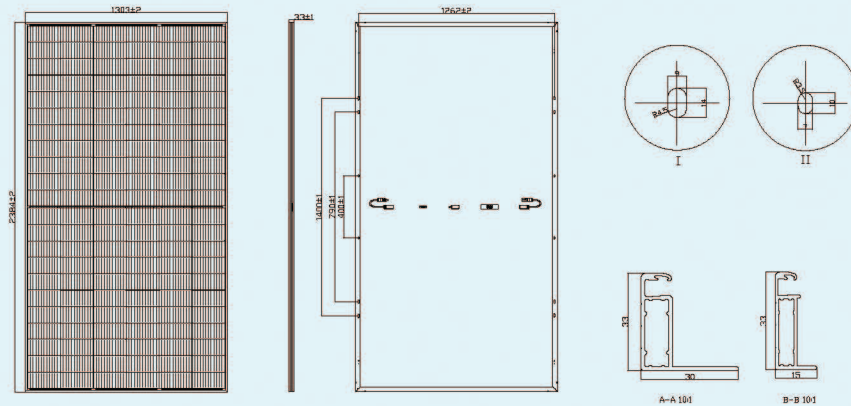
Mechanical Parameters

Cell	N-type TOPCon (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	33pieces/pallet
Loading quantity	20GP: 132 pieces, 40GP: 264 pieces, 40HQ: 528pieces, 13 meter truck: 528pieces, 17.5 meter truck: 858pieces

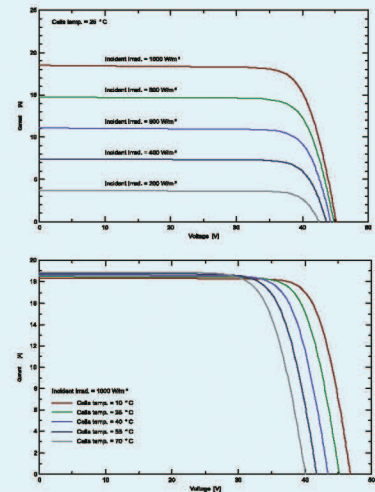
Operation Parameters

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-690NH		JKL132-C-695NH		JKL132-C-700NH		JKL132-C-705NH		JKL132-C-710NH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power [W]	690	523	695	527	700	531	705	535	710	539
Maximum working voltage [V]	40.71	38.33	40.91	38.55	41.14	38.72	41.32	38.91	41.51	39.12
Maximum working current [A]	16.98	13.66	17.01	13.69	17.04	13.72	17.09	13.77	17.13	13.81
Open circuit voltage [V]	47.35	44.72	47.53	44.92	47.73	45.13	47.91	45.32	48.13	45.51
Short circuit current [A]	18.02	14.36	18.05	14.36	18.08	14.41	18.12	14.45	18.16	14.49
EFF [%]	22.21%		22.37%		22.53%		22.69%		22.85%	
Power tolerance (W)	0 ~+5W									
Short circuit current temperature coefficient	+0.046%/°C									
Open circuit voltage temperature coefficient	-0.250%/°C									
Maximum power temperature coefficient	-0.300%/°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.