



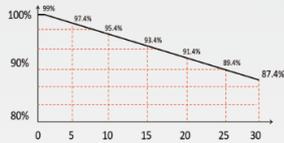
MO series
TOPCon Mono All Black Single Glass Module



425-445W 108

Product Features

- High power
- Low attenuation
- Excellent low light performance
- Visual total black



Product System And Certification

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



Leading Quality Standards

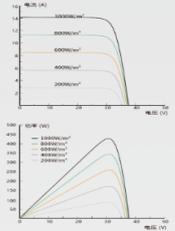
15 yr Quality assurance	30 yr Power guarantee	-0.4% Annual decay
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Mechanical Parameters

Cell	N-type TOPCon (108)
Dimensions	1722±2mm×1134±2mm×30±1mm
Weight	22kg±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	36 pcs/pallet, 1762×1130×1270mm 830kg/pallet
Loading quantity	20GP: 216pcs, 40HQ: 936pcs, 17.5m truck: 1152pcs

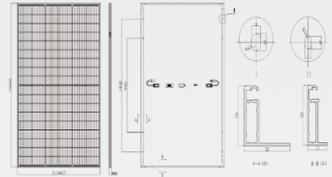
I-V Curve



Operation Parameters

Maxsystem voltage	1500V DC
Operating Temperature	-40°C ~+85°C
Fuse's rated current	25A
Maxload front	5400Pa
Maxload back	2400Pa
NOCT	45±2°C
Safety level	Class II
Fire performance	UL Type I

Drawing



Electrical Parameters

Module	JKL108-B-425NH		JKL108-B-430NH		JKL108-B-435NH		JKL108-B-440NH		JKL108-B-445NH	
STC/NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Pmax [W]	425	320	430	324	435	328	440	332	445	336
Vmp [V]	32.10	30.21	32.30	30.41	32.50	30.62	32.70	30.83	32.90	31.03
Imp [A]	13.24	10.60	13.32	10.66	13.39	10.71	13.46	10.77	13.51	10.83
Voc [V]	38.70	36.77	38.90	36.96	39.10	37.15	39.30	37.35	39.50	37.55
Isc [A]	13.91	11.13	13.99	11.19	14.07	11.26	14.17	11.25	14.22	11.30
EFF [%]	21.76%		22.02%		22.28%		22.53%		22.79%	
Power tolerance [W]					0 ~+5W					
α _{Isc}					+0.04%/°C					
β _{Voc}					-0.250%/°C					
γ _{Pmp}					-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.h



Add: changzhi, Shanxi, China Tel: +86 355 5817288
Email: info@luansolar.com https: www.luansolar.com