JA SOLAR

Reliable Power for the Journey Ahead

495W

JAM48D50 LR n-type Double Glass Monofacial Modules

More Performance · Same Trust

Premium Modules

Higher Power Output

Bycium+ 5.0 Cell Technology

Full-Screen Design

Enhanced Reliability

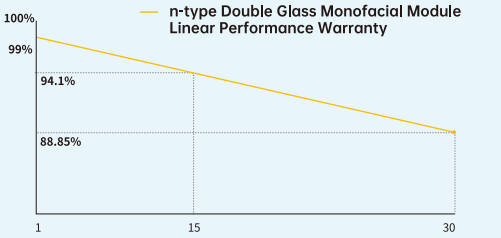
Composite Structure Enhancement Technology

Higher Power Generation

Better Temperature Coefficient (-0.26%/°C)

Excellent Low-Light Performance

Lower LCOE Higher Customer Value



1% 1st-year Degradation 0.35% Annual Degradation Over 30 years

15 15-year product warranty

30 30-year linear power output warranty



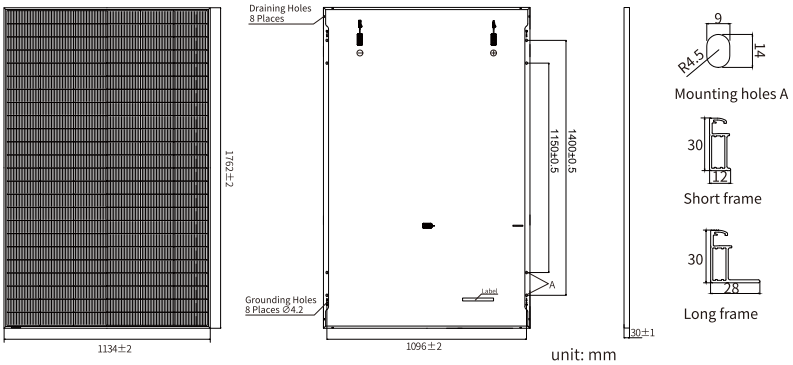
Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing

DEEP BLUE 5.0

JAM48D50 LR n-type Double Glass Monofacial Modules

DEEP BLUE 5.0



unit: mm

MECHANICAL PARAMETERS

Cell	Mono
Weight	21.5kg
Dimensions	1762±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+) /400mm(-) Landscape: 1200mm(+)/1200mm(-)
Frame	Anodized Aluminium Alloy
Front Glass	1.6mm, Anti-reflection Coating
Back Glass	1.6mm, Heat Strengthened Glass
Packaging Configuration	37pcs/Pallet, 962pcs/40HQ Container

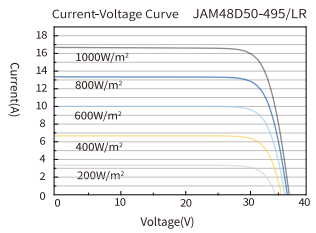
Remark: customized frame color and cable length available upon request

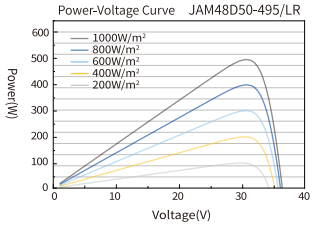
ELECTRICAL PARAMETERS AT STC

TYPE	JAM48D50 -470/LR	JAM48D50 -475/LR	JAM48D50 -480/LR	JAM48D50 -485/LR	JAM48D50 -490/LR	JAM48D50 -495/LR
Rated Maximum Power(Pmax) [W]	470	475	480	485	490	495
Open Circuit Voltage (Voc) [V]	36.26	36.33	36.40	36.47	36.53	36.60
Maximum Power Voltage(Vmp) [V]	29.59	29.81	30.04	30.26	30.48	30.70
Short Circuit Current(Isc) [A]	16.68	16.73	16.78	16.83	16.88	16.93
Maximum Power Current(Imp) [A]	15.89	15.93	15.98	16.03	16.08	16.12
Module Efficiency [%]	23.5	23.8	24.0	24.3	24.5	24.8
Power Tolerance	0~+3%					
Temperature Coefficient of Isc(α_Isc)	+0.041%/°C					
Temperature Coefficient of Voc(β_Voc)	-0.220%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.260%/°C					
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G					

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.
They only serve for comparison among different module types.

CHARACTERISTICS





ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM48D50 -470/LR	JAM48D50 -475/LR	JAM48D50 -480/LR	JAM48D50 -485/LR	JAM48D50 -490/LR	JAM48D50 -495/LR
Rated Max Power(Pmax) [W]	360	363	367	370	373	377
Open Circuit Voltage(Voc) [V]	34.44	34.50	34.55	34.61	34.65	34.71
Max Power Voltage(Vmp) [V]	28.20	28.34	28.51	28.67	28.83	29.01
Short Circuit Current(Isc) [A]	13.46	13.50	13.54	13.58	13.62	13.66
Max Power Current(Imp) [A]	12.77	12.82	12.87	12.91	12.94	12.98
NOCT	Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G					

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature*	-40°C~+70°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front	5400Pa(112 lb/ft²)
Maximum Static Load, Back	2400Pa(50 lb/ft²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 38/Class C

*PV module 98th percentile operating temperature : 70°C

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Specifications subject to technical changes and tests.
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Version No. : Global-EN-20260807A