SCANOFFICE SOLAR

JA SOLAR | DEEP BLUE 4.0 Pro

510 W JAM60D41 LB Black Modules

n-type Double Glass Bifacial Modules

Premium Cells

n-Bycium+ 16BB	MBB Half-Cell Technology

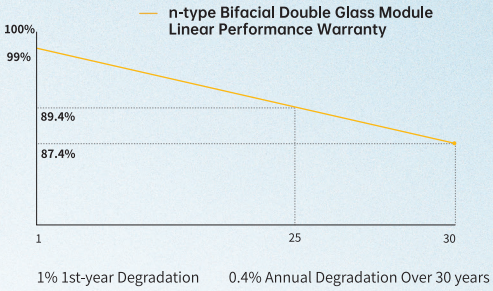
Premium Modules

Superior energy yield for lower LCOE

High-efficiency with advanced n-type Bycium+ cell technology

Higher power output with High-density module design

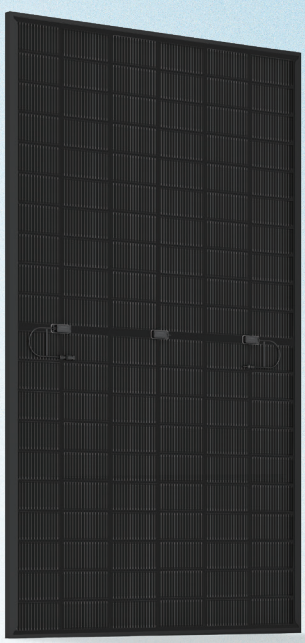
Excellent reliability, certified by authoritative institutions

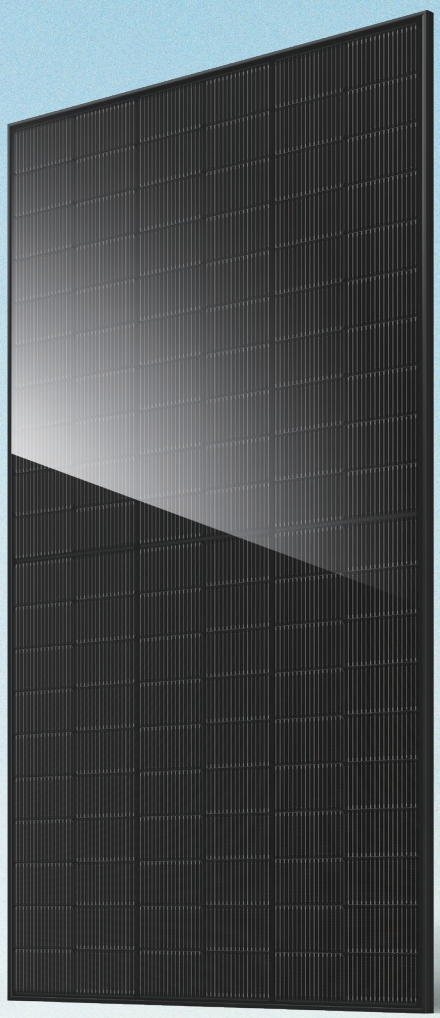


1% 1st-year Degradation 0.4% Annual Degradation Over 30 years

25 25-year linear power output warranty

30 30-year linear power output warranty





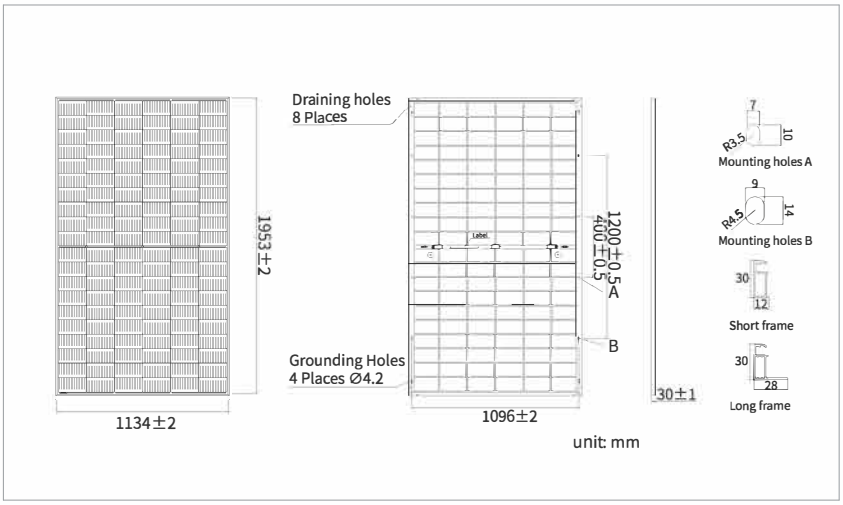
Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 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

TÜV SÜD CE ETL Intertek

510 W JAM60D41 LB
n-type Double Glass Bifacial Modules

DEEP BLUE 4.0 Pro



MECHANICAL PARAMETERS

Cell	Mono
Weight	27.3kg
Dimensions	1953±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP 68, 3diodes
Connector	MC4-EVO2A
Cable Length (Including Connector)	Landscape: 1200mm(+)/1200mm(-)
Frame	Anodized Aluminium Alloy
Front Glass	2.0mm,Anti-reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container

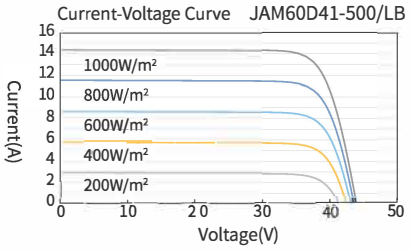
Remark: customized frame color and cable length available upon request

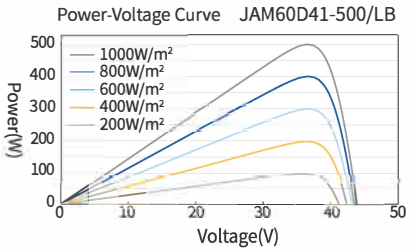
ELECTRICAL PARAMETERS AT STC

TYPE	JAM60D41 -485/LB	JAM60D41 -490/LB	JAM60D41 -495/LB	JAM60D41 -500/LB	JAM60D41 -505/LB	JAM60D41 -510/LB
Rated Maximum Power(Pmax) [W]	485	490	495	500	505	510
Open Circuit Voltage (Voc) [V]	44.40	44.60	44.80	45.00	45.20	45.40
Maximum Power Voltage(Vmp) [V]	37.75	37.91	38.08	38.26	38.43	38.59
Short Circuit Current(Isc) [A]	13.90	13.95	14.00	14.05	14.10	14.15
Maximum Power Current(Imp) [A]	12.85	12.93	13.00	13.07	13.14	13.22
Module Efficiency [%]	21.9	22.1	22.4	22.6	22.8	23.0
Power Tolerance	0~+3%					
Temperature Coefficient of Isc(α_Isc)	+0.045%/°C					
Temperature Coefficient of Voc (β_Voc)	-0.250%/°C					
Temperature Coefficient of Pmax(γ_Pmp)	-0.290%/°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 BNPI

TYPE	JAM60D41 -485/LB	JAM60D41 -490/LB	JAM60D41 -495/LB	JAM60D41 -500/LB	JAM60D41 -505/LB	JAM60D41 -510/LB
Rated Max Power(Pmax) [W]	535	541	546	552	557	563
Open Circuit Voltage(Voc) [V]	44.40	44.60	44.80	45.00	45.20	45.40
Max Power Voltage(Vmp) [V]	37.75	37.91	38.08	38.26	38.43	38.59
Short Circuit Current(Isc) [A]	15.34	15.40	15.46	15.51	15.57	15.62
Max Power Current(Imp) [A]	14.19	14.27	14.35	14.43	14.51	14.59
BNPI	Front Irradiance 1000W/m², Rear Irradiance 135W/m², cell temperature 25°C, 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
Bifaciality	80%±10%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

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

JA SOLAR

Headquarters No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road, Fengtai District, Beijing
Tel: +86 10 6361 1888 Fax: +86 10 6361 1999
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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