Harvest the Sunshine

505W

JA SOLAR

JAM60D41 LB

Black Module
n-type Double Glass Bifacial Modules

Premium Cells

n-Bycium+ 16BB

MBB Half-Cell Technology

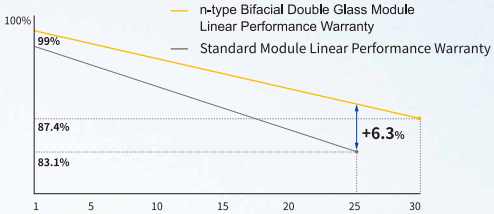
26%

Up To

Cell Conversion Efficiency

Premium Modules

- Higher power generation better LCOE
- n-type with very Lower LID
- Better Temperature Coefficient
- Better low irradiance response



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

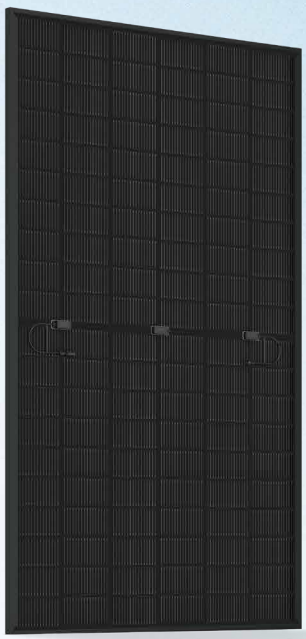
12-year product warranty

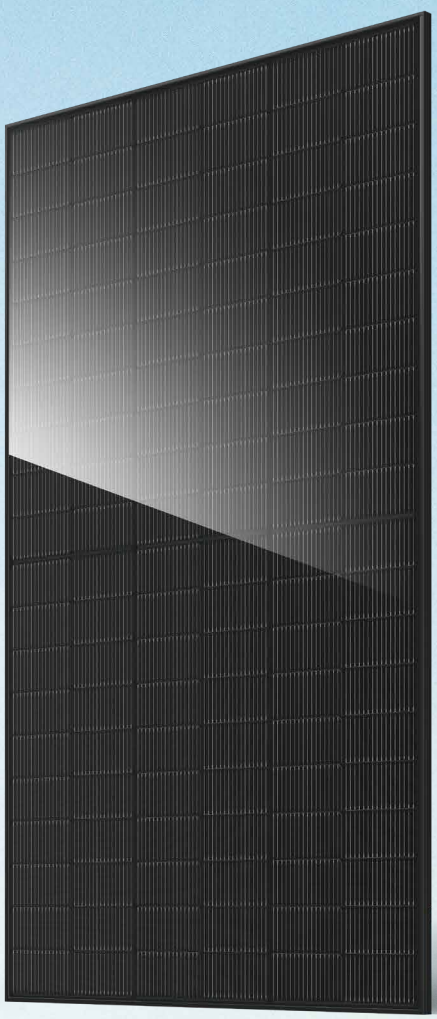
30-year linear power output warranty

*Remark: The performance warranty applies at STC condition.

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

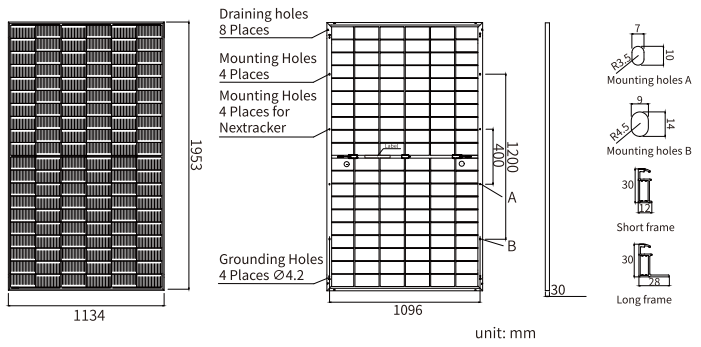




DEEP BLUE 4.0 Pro

JAM60D41 LB n-type Double Glass Bifacial Modules

DEEP BLUE 4.0 Pro



MECHANICAL PARAMETERS

Cell	Mono
Weight	27.3kg
Dimensions	1953mm×1134mm×30mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3diodes
Connector	Stäubli PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy QC Solar QC4.10-351/ QC4.10-35
Cable Length (Including Connector)	Portrait: 400mm(+) /200mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

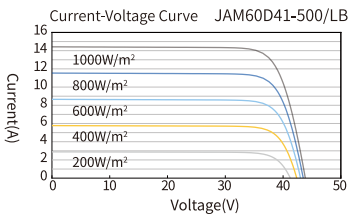
TYPE	JAM60D41 -485/LB STC	JAM60D41 -485/LB BNPI	JAM60D41 -490/LB STC	JAM60D41 -490/LB BNPI	JAM60D41 -495/LB STC	JAM60D41 -495/LB BNPI	JAM60D41 -500/LB STC	JAM60D41 -500/LB BNPI	JAM60D41 -505/LB STC	JAM60D41 -505/LB BNPI
Rated Maximum Power(Pmax) [W]	485	535	490	541	495	546	500	552	505	557
Open Circuit Voltage (Voc) [V]	44.40	44.40	44.60	44.60	44.80	44.80	45.00	45.00	45.20	45.20
Maximum Power Voltage(Vmp) [V]	37.75	37.75	37.91	37.91	38.08	38.08	38.26	38.26	38.43	38.43
Short Circuit Current(Isc) [A]	13.90	15.34	13.95	15.40	14.00	15.46	14.05	15.51	14.10	15.57
Maximum Power Current(Imp) [A]	12.85	14.19	12.93	14.27	13.00	14.35	13.07	14.43	13.14	14.51
Module Efficiency [%]	21.9		22.1		22.4		22.6		22.8	
Short Circuit Current (Isc) [A] at BSI	17.11		17.17		17.23		17.30		17.36	
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									
BNPI	Front Irradiance 1000W/m², rear Irradiance 135W/m²									
BSI	Front Irradiance 1000W/m², rear Irradiance 300W/m²									

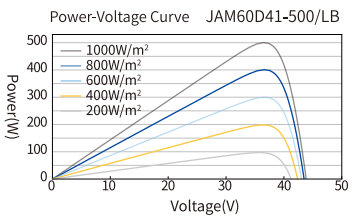
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.
They only serve for comparison among different module types.
Measurement torlerance at STC and BNPI:Pmax±3%, Voc±3%, Isc±5% and the tolerance of Isc at BSI：±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains and Low Irradiance Of 200W/m²

TYPE	JAM60D41 -485/LB 10%	JAM60D41 -485/LB 200W/m²	JAM60D41 -490/LB 10%	JAM60D41 -490/LB 200W/m²	JAM60D41 -495/LB 10%	JAM60D41 -495/LB 200W/m²	JAM60D41 -500/LB 10%	JAM60D41 -500/LB 200W/m²	JAM60D41 -505/LB 10%	JAM60D41 -505/LB 200W/m²
Rated Max Power(Pmax) [W]	534	94	539	96	545	96	550	97	556	98
Open Circuit Voltage(Voc) [V]	44.40	41.77	44.60	41.96	44.80	42.12	45.00	42.34	45.20	42.54
Max Power Voltage(Vmp) [V]	37.75	36.12	37.91	36.30	38.08	36.42	38.26	36.64	38.43	36.82
Short Circuit Current(Isc) [A]	15.29	2.78	15.35	2.79	15.40	2.80	15.46	2.81	15.51	2.82
Max Power Current(Imp) [A]	14.14	2.62	14.22	2.63	14.30	2.65	14.38	2.66	14.45	2.67
Irradiation Ratio (rear/front)	10%									
Low Irradiance	(200±2) W/m² ,module at (25±2) °C									

CHARACTERISTICS





OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature*	-40°C~+70°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front	3600Pa,1.5
Maximum Static Load, Back	1600Pa,1.5
NOCT	45±2°C
Bifaciality	φPmax(80±10)%,φVoc(98±5)%,φIsc(80±10)%
Safety Class	Class II
Fire Performance	Class C

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

JA SOLAR

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Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

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