JA SOLAR

Harvest the Sunshine

530W

JAM60S42 LR

n-type Monofacial Modules

Premium Cells

n-Bycium+ 16BB

MBB Half-Cell Technology

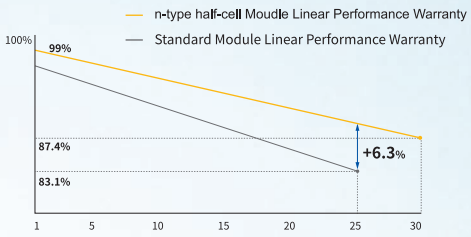
26%

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

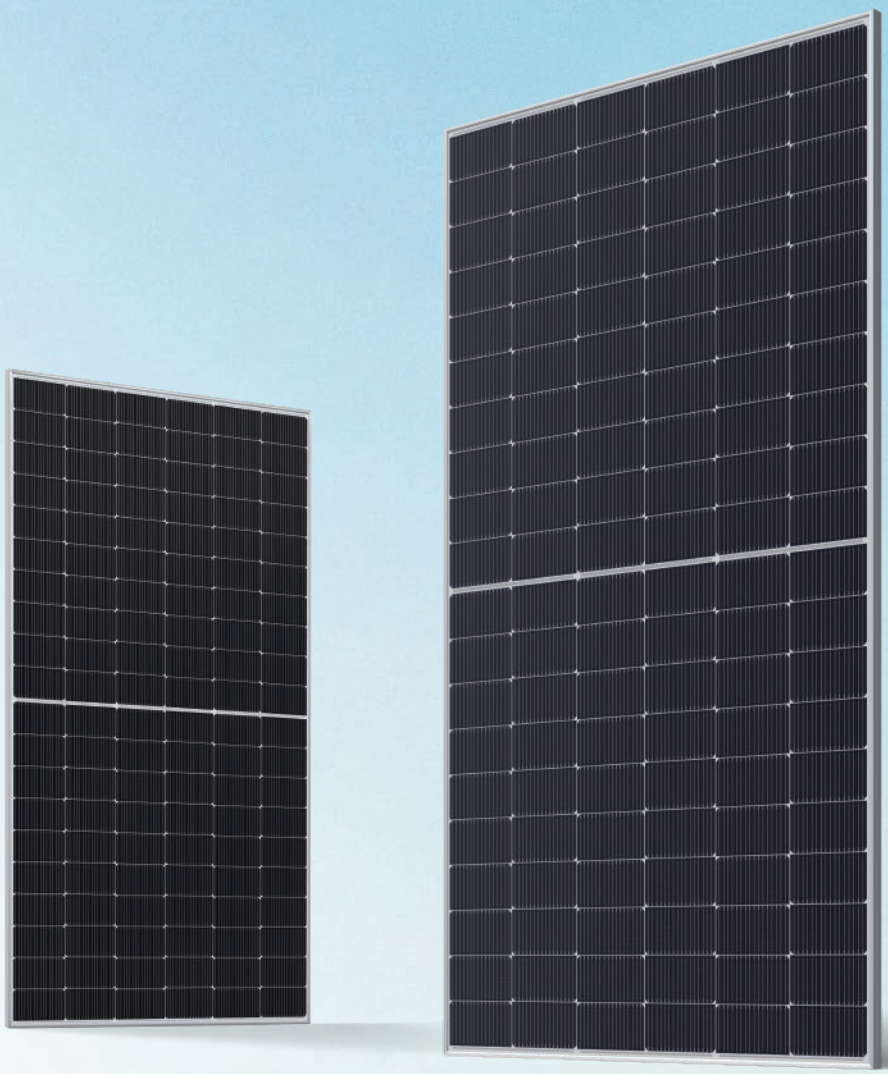


1% 1st-year Degradation

0.4% Annual Degradation Over 30 years

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

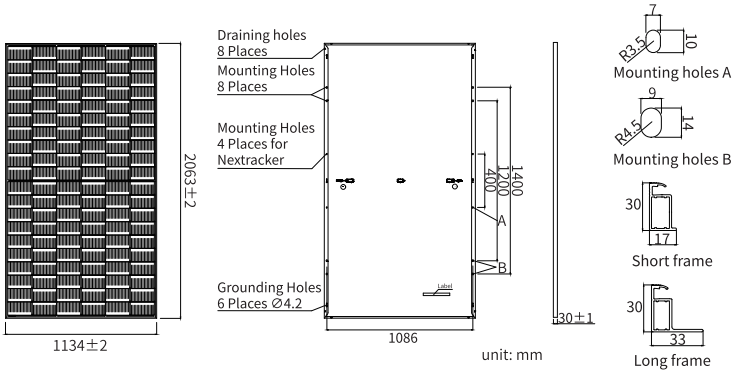
CE

DEEP BLUE 4.0

JAM60S42 LR

n-type Monofacial Modules

DEEP BLUE 4.0



MECHANICAL PARAMETERS

Cell	Mono
Weight	25.4kg
Dimensions	2063±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3diodes
Connector	QC4.10-351/MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+) /400mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass	3.2mm
Packaging Configuration	36pcs/Pallet, 792pcs/40ft Container

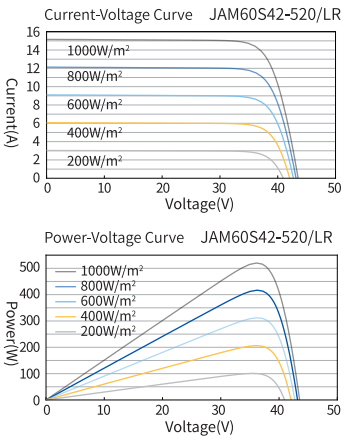
Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60S42 505/LR	JAM60S42 510/LR	JAM60S42 515/LR	JAM60S42 520/LR	JAM60S42 525/LR	JAM60S42 530/LR
Rated Maximum Power(Pmax) [W]	505	510	515	520	525	530
Open Circuit Voltage (Voc) [V]	42.93	43.13	43.33	43.53	43.73	43.93
Maximum Power Voltage(Vmp) [V]	35.69	35.92	36.15	36.37	36.59	36.81
Short Circuit Current(Isc) [A]	15.01	15.06	15.11	15.16	15.21	15.26
Maximum Power Current(Imp) [A]	14.15	14.20	14.25	14.30	14.35	14.40
Module Efficiency [%]	21.6	21.8	22.0	22.2	22.4	22.7
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 NOCT

TYPE	JAM60S42 505/LR	JAM60S42 510/LR	JAM60S42 515/LR	JAM60S42 520/LR	JAM60S42 525/LR	JAM60S42 530/LR
Rated Max Power(Pmax) [W]	382	386	390	394	397	401
Open Circuit Voltage(Voc) [V]	40.62	40.81	41.00	41.19	41.38	41.57
Max Power Voltage(Vmp) [V]	33.77	33.99	34.20	34.41	34.62	34.83
Short Circuit Current(Isc) [A]	12.01	12.05	12.09	12.13	12.17	12.21
Max Power Current(Imp) [A]	11.32	11.36	11.40	11.44	11.48	11.52
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~+85°C
Maximum Series Fuse Rating	25A
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 1/Class 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

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

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