Harvest the Sunshine

475W

JA SOLAR

JAM54S43 LR

Black Module
n-type Monofacial Modules

Premium Cells

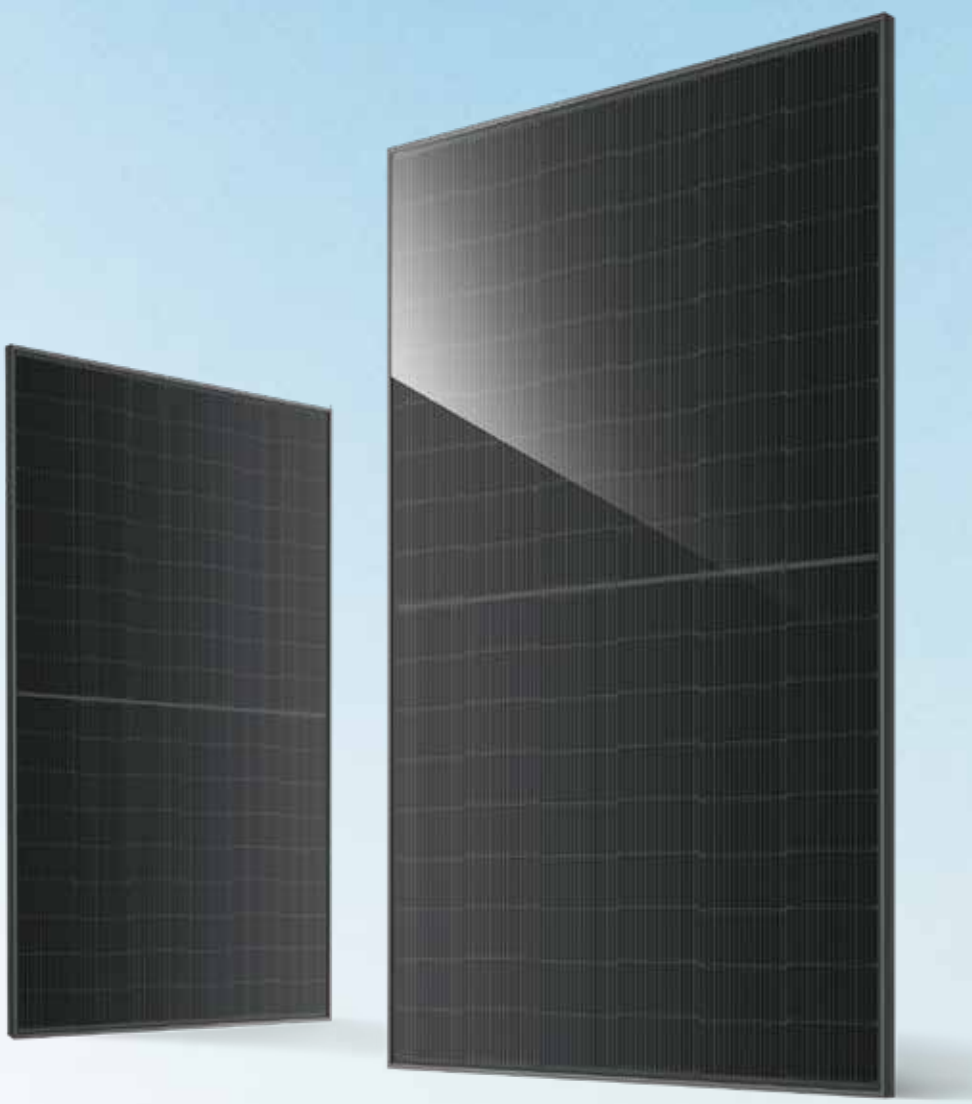
n-Bycium+ 16BB

MBB Half-Cell Technology

26%

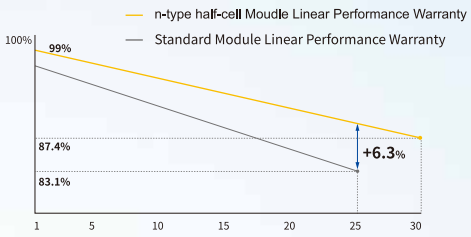
Up To

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

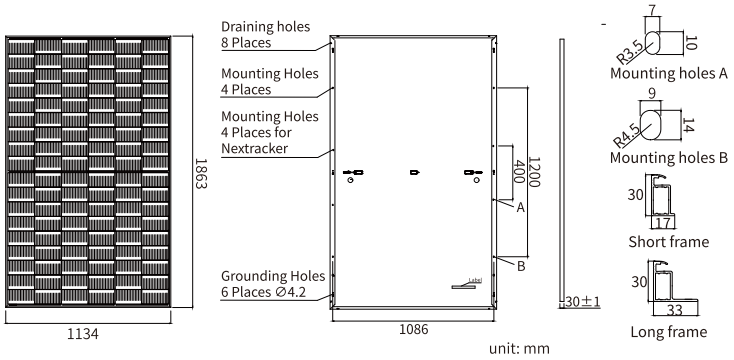
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing

DEEP BLUE 4.0 Pro

JAM54S43 LR

n-type Monofacial Modules

DEEP BLUE 4.0 Pro



MECHANICAL PARAMETERS

Cell	Mono
Weight	21.1kg
Dimensions	1863×1134mm×30mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	108(6×18)
Junction Box	IP68, 3diodes
Connector	QC Solar QC4.10-351/QC4.10-35 Stäubli PV-KST4-EVO2A/xy ,PV-KBT4-EVO2A/xy
Cable Length (including Connector)	Portrait: 300mm(+) /400mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	2.8mm
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container
Country of Manufacturer	China/Vietnam

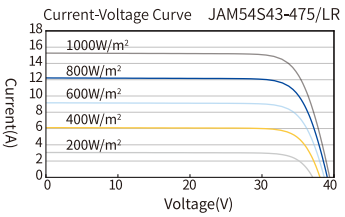
Remark: customized frame color and cable length available upon request

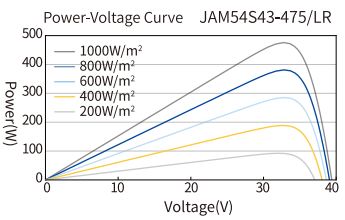
ELECTRICAL PARAMETERS AT STC

TYPE	JAM54S43 -450/LR	JAM54S43 -455/LR	JAM54S43 -460/LR	JAM54S43 -465/LR	JAM54S43 -470/LR	JAM54S43 -475/LR
Rated Maximum Power(Pmax) [W]	450	455	460	465	470	475
Open Circuit Voltage (Voc) [V]	38.40	38.60	38.80	39.00	39.20	39.40
Maximum Power Voltage(Vmp) [V]	31.79	32.27	32.51	32.75	32.98	33.22
Short Circuit Current(Isc) [A]	15.02	15.07	15.12	15.17	15.22	15.27
Maximum Power Current(Imp) [A]	14.05	14.10	14.15	14.20	14.25	14.30
Module Efficiency [%]	21.3	21.5	21.8	22.0	22.2	22.5
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.
Measurement tolerance at STC: Pmax ±3%, Voc ±3% and Isc ±5%.

CHARACTERISTICS





ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM54S43 -450/LR	JAM54S43 -455/LR	JAM54S43 -460/LR	JAM54S43 -465/LR	JAM54S43 -470/LR	JAM54S43 -475/LR
Rated Max Power(Pmax) [W]	341	344	348	352	356	360
Open Circuit Voltage(Voc) [V]	36.34	36.53	36.71	36.90	37.09	37.28
Max Power Voltage(Vmp) [V]	30.31	30.54	30.76	30.99	31.21	31.43
Short Circuit Current(Isc) [A]	12.02	12.06	12.10	12.14	12.18	12.22
Max Power Current(Imp) [A]	11.24	11.28	11.32	11.36	11.40	11.44
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	3600Pa, 1.5
Maximum Static Load, Back	1600Pa, 1.5
NOCT	45±2°C
Safety Class	Class II
Fire Safety Class	Class 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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