

Harvest the Sunshine

JA SOLAR

545W



JAM60S42 LR

n-type Monofacial Modules

Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

26%

Up To

Cell Conversion
Efficiency

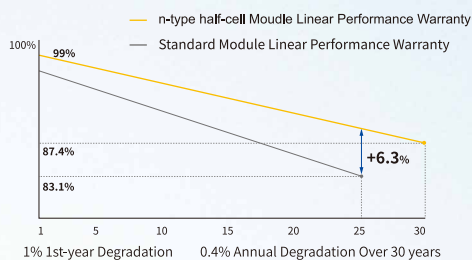
Premium Modules

Higher power
generation better LCOE

LID n-type with very
Lower LID

Better Temperature
Coefficient

Better low irradiance
response



15-year product warranty

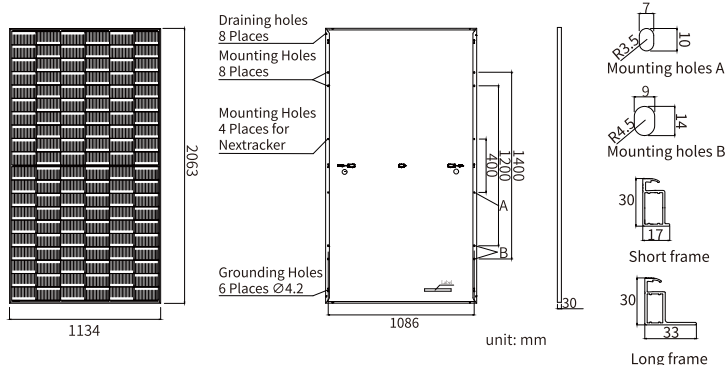
30-year linear power output warranty

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



MECHANICAL PARAMETERS

Cell	Mono
Weight	25.4kg
Dimensions	2063mm × 1134mm × 30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3diodes
Connector	QC Solar QC4.10-351/QC4.10-35 Staubli PV-KST4-EVO2A/xy ,PV-KBT4-EVO2A/xy
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass	3.2mm
Packaging Configuration	36pcs/Pallet, 792pcs/40ft Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

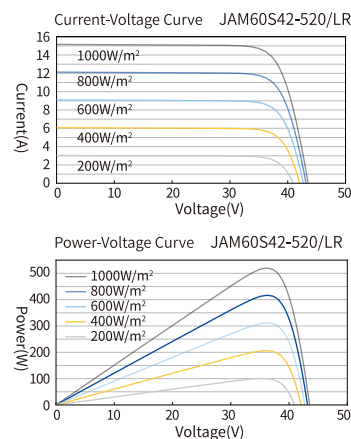
TYPE	JAM60S42 -520/LR	JAM60S42 -525/LR	JAM60S42 -530/LR	JAM60S42 -535/LR	JAM60S42 -540/LR	JAM60S42 -545/LR
Rated Maximum Power(Pmax) [W]	520	525	530	535	540	545
Open Circuit Voltage (Voc) [V]	43.53	43.73	43.93	44.13	44.33	44.53
Maximum Power Voltage(Vmp) [V]	36.37	36.59	36.81	37.03	37.25	37.46
Short Circuit Current(Isc) [A]	15.16	15.21	15.26	15.31	15.36	15.41
Maximum Power Current(Imp) [A]	14.30	14.35	14.40	14.45	14.50	14.55
Module Efficiency [%]	22.2	22.4	22.7	22.9	23.1	23.3
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/m ² , 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%.

ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM60S42 -520/LR	JAM60S42 -525/LR	JAM60S42 -530/LR	JAM60S42 -535/LR	JAM60S42 -540/LR	JAM60S42 -545/LR
Rated Max Power(Pmax) [W]	394	397	401	405	409	413
Open Circuit Voltage(Voc) [V]	41.19	41.38	41.57	41.76	41.95	42.14
Max Power Voltage(Vmp) [V]	34.41	34.62	34.83	35.03	35.24	35.44
Short Circuit Current(Isc) [A]	12.13	12.17	12.21	12.25	12.29	12.33
Max Power Current(Imp) [A]	11.44	11.48	11.52	11.56	11.60	11.64
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

CHARACTERISTICS



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