

Harvest the Sunshine

JA SOLAR

650W



JAM72S42 LR

n-type Monofacial Modules

Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

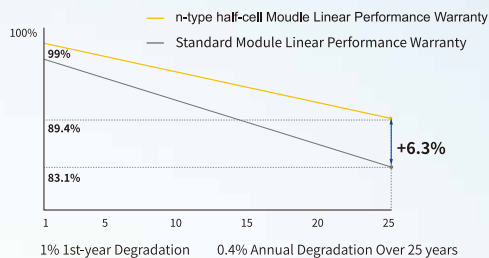
Premium Modules

Higher power generation better LCOE

n-type with very Lower LID

Better Temperature Coefficient

Better low irradiance response



12-year product warranty

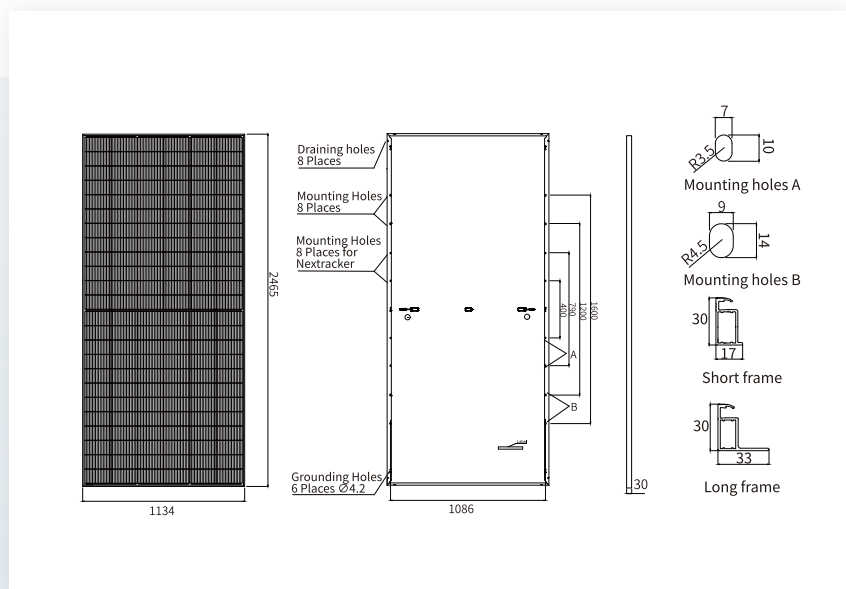
25-year linear power output warranty

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	29.6kg
Dimensions	2465mm × 1134mm × 30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	144(6 × 24)
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: 1500mm(+)/1500mm(-)
Front Glass	3.2mm
Packaging Configuration	36pcs/Pallet, 576pcs/40ft Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

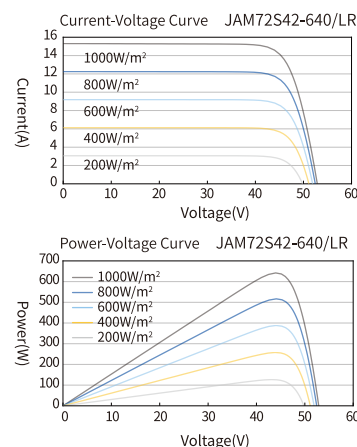
TYPE	JAM72S42	JAM72S42	JAM72S42	JAM72S42	JAM72S42	JAM72S42
	-625/LR	-630/LR	-635/LR	-640/LR	-645/LR	-650/LR
Rated Maximum Power(Pmax) [W]	625	630	635	640	645	650
Open Circuit Voltage (Voc) [V]	52.27	52.47	52.67	52.87	53.07	53.27
Maximum Power Voltage(Vmp) [V]	43.71	43.90	44.10	44.29	44.49	44.67
Short 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 [%]	22.4	22.5	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	JAM72S42	JAM72S42	JAM72S42	JAM72S42	JAM72S42	JAM72S42
	-625/LR	-630/LR	-635/LR	-640/LR	-645/LR	-650/LR
Rated Max Power(Pmax) [W]	473	477	481	484	488	492
Open Circuit Voltage(Voc) [V]	49.46	49.65	49.84	50.03	50.22	50.41
Max Power Voltage(Vmp) [V]	41.36	41.54	41.73	41.91	42.09	42.27
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