JA SOLAR | DEEP BLUE 3.0 Pro

Version No. : AUS-EN-20230802A

565W MBB LR Series

- Higher output power
- Lower LCOE
- Less shading and lower resistive loss
- Better mechanical loading tolerance

- 15-year product warranty
- 25-year linear power output warranty

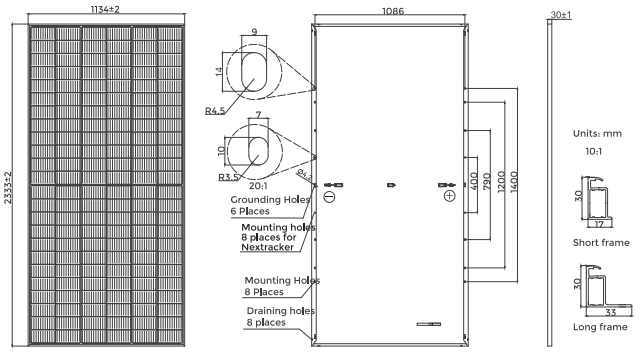
Half-cell Module
JAM72S30 LR/1500V
560-585

Comprehensive Certificates

- IEC 61215, IEC 61730,UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems

560-585 LR Series

JAM72S30



Remark: customized frame color and cable length available upon request

Cell	Mono
Weight	28kg
Dimensions	2333±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm² (IEC), 12 AWG(UL)
No. of cells	144(6x24)
Junction Box	IP68, 3 diodes
Connector	Stäubli MC4-EVO2A/MC4-EVO2 QC Solar QC 4.10-351/QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1400mm(+)/1400mm(-)
Front Glass	3.2mm
Country of Manufacturer	China/Vietnam

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72S30-560/LR/1500V	JAM72S30-565/LR/1500V	JAM72S30-570/LR/1500V	JAM72S30-575/LR/1500V	JAM72S30-580/LR/1500V	JAM72S30-585/LR/1500V
Rated Maximum Power(Pmax) [W]	560	565	570	575	580	585
Open Circuit Voltage(Voc) [V]	50.32	50.50	50.68	50.86	51.04	51.22
Maximum Power Voltage(Vmp) [V]	41.49	41.68	41.87	42.05	42.24	42.42
Short Circuit Current(Isc) [A]	14.25	14.31	14.37	14.44	14.50	14.56
Maximum Power Current(Imp) [A]	13.50	13.56	13.62	13.67	13.73	13.79
Module Efficiency [%]	21.2	21.4	21.5	21.7	21.9	22.1
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.045%/℃					
Temperature Coefficient of Voc(β_Voc)	-0.275%/℃					
Temperature Coefficient of Pmax(γ_Pmp)	-0.350%/℃					
STC	Irradiance 1000W/m², cell temperature 25℃, 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%.

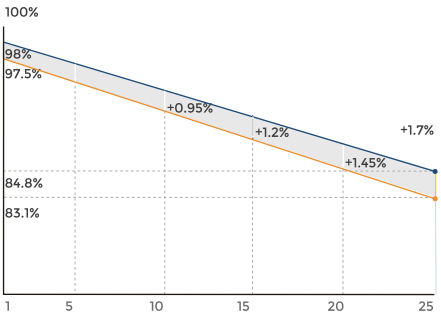
ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM72S30-560/LR/1500V	JAM72S30-565/LR/1500V	JAM72S30-570/LR/1500V	JAM72S30-575/LR/1500V	JAM72S30-580/LR/1500V	JAM72S30-585/LR/1500V
Rated Max Power(Pmax) [W]	424	428	431	435	439	443
Open Circuit Voltage(Voc) [V]	47.62	47.79	47.96	48.13	48.30	48.74
Max Power Voltage(Vmp) [V]	39.26	39.44	39.62	39.79	39.97	40.14
Short Circuit Current(Isc) [A]	11.40	11.45	11.50	11.55	11.60	11.65
Max Power Current(Imp) [A]	10.80	10.85	10.89	10.94	10.99	11.03
NOCT	Irradiance 800W/m², ambient temperature 20℃,wind speed 1m/s, AM1.5G					

*For Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker for reference.

SUPERIOR WARRANTY

0.55% Annual Degradation Over 25 years



- New linear power warranty
- Standard module linear power warranty

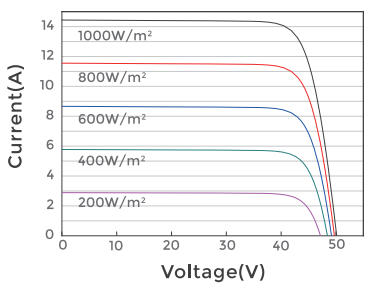
*Subject to the terms and conditions contained in the Limited Warranty Statement. Also, this 15-year limited product warranty is available only for products installed and operating in solar systems under 100kW on rooftops in Australia.

OPERATING CONDITIONS

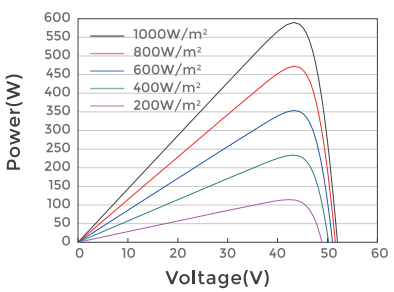
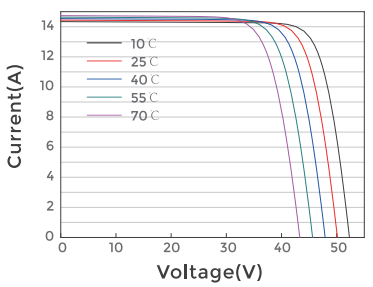
Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Maximum Static Load,Front*	3600Pa, 1.5
Maximum Static Load,Back*	1600Pa, 1.5
NOCT	45±2°C
Safety Class	Class II
Fire Safety Class	Class C

CHARACTERISTICS

Current-Voltage Curve **JAM72S30-575/LR/1500V**



Power-Voltage Curve **JAM72S30-575/LR/1500V**



Current-Voltage Curve **JAM72S30-575/LR/1500V**