

Harvest the Sunshine

JA SOLAR

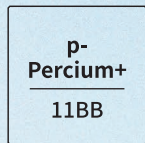
515W



JAM66S30 MR

p-type Monofacial Modules

Premium Cells



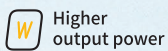
MBB Half-Cell Technology

24%

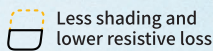


Cell Conversion Efficiency

Premium Modules



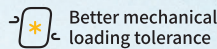
Higher output power



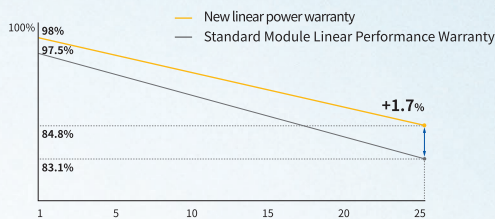
Less shading and lower resistive loss



Lower LCOE



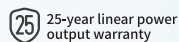
Better mechanical loading tolerance



0.55% Annual Degradation Over 25 years



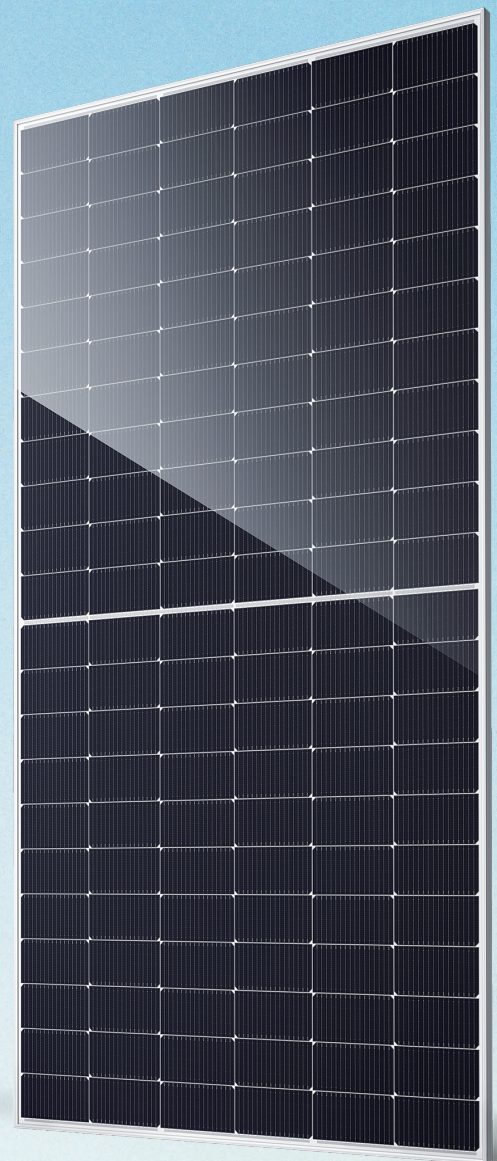
12-year product warranty



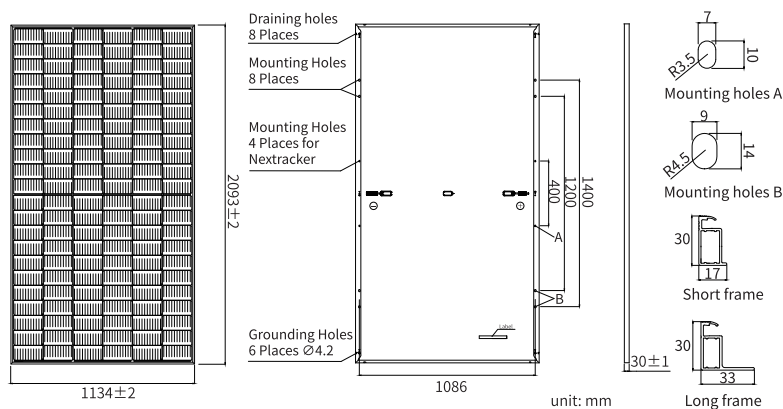
25-year linear power output warranty

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
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 3.0



MECHANICAL PARAMETERS

Cell	Mono
Weight	25.2kg
Dimensions	2093±2mm × 1134±2mm × 30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	132(6×22)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass	3.2mm
Packaging Configuration	36pcs/Pallet, 792pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM66S30 -490/MR	JAM66S30 -495/MR	JAM66S30 -500/MR	JAM66S30 -505/MR	JAM66S30 -510/MR	JAM66S30 -515/MR
Rated Maximum Power(Pmax) [W]	490	495	500	505	510	515
Open Circuit Voltage (Voc) [V]	45.33	45.46	45.59	45.72	45.85	45.98
Maximum Power Voltage(Vmp) [V]	37.99	38.17	38.35	38.53	38.70	38.87
Short Circuit Current(Isc) [A]	13.79	13.86	13.93	14.00	14.07	14.14
Maximum Power Current(Imp) [A]	12.90	12.97	13.04	13.11	13.18	13.25
Module Efficiency [%]	20.6	20.9	21.1	21.3	21.5	21.7
Power Tolerance	0~+3%					
Temperature Coefficient of Isc(α _{Isc})	+0.045%/°C					
Temperature Coefficient of Voc (β _{Voc})	-0.275%/°C					
Temperature Coefficient of Pmax(γ _{Pmp})	-0.350%/°C					
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G					

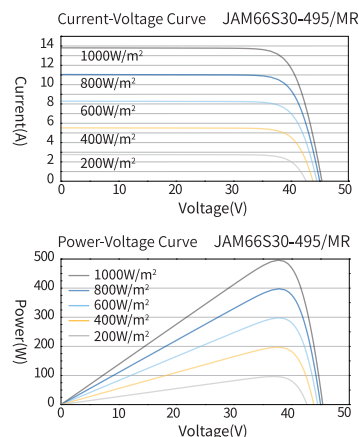
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM66S30 -490/MR	JAM66S30 -495/MR	JAM66S30 -500/MR	JAM66S30 -505/MR	JAM66S30 -510/MR	JAM66S30 -515/MR
Rated Max Power(Pmax) [W]	370	374	378	382	386	389
Open Circuit Voltage(Voc) [V]	42.43	42.58	42.72	42.86	43.00	43.12
Max Power Voltage(Vmp) [V]	35.76	35.84	35.93	36.02	36.13	36.25
Short Circuit Current(Isc) [A]	11.13	11.20	11.27	11.34	11.41	11.48
Max Power Current(Imp) [A]	10.36	10.44	10.52	10.60	10.67	10.74
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

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

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1000V/1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Maximum Static Load, Front*	5400Pa(112 lb/ft ²)
Maximum Static Load, Back*	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 1/Class C