

# Harvest the Sunshine

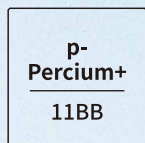
# JA SOLAR

# 515W



## JAM66S30 MR p-type Monofacial Modules

### Premium Cells



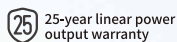
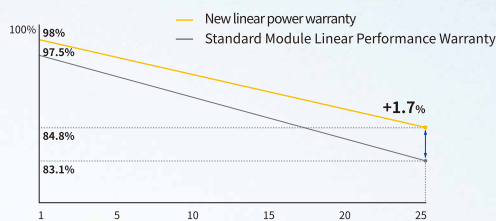
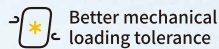
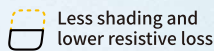
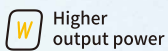
MBB Half-Cell Technology

# 24%



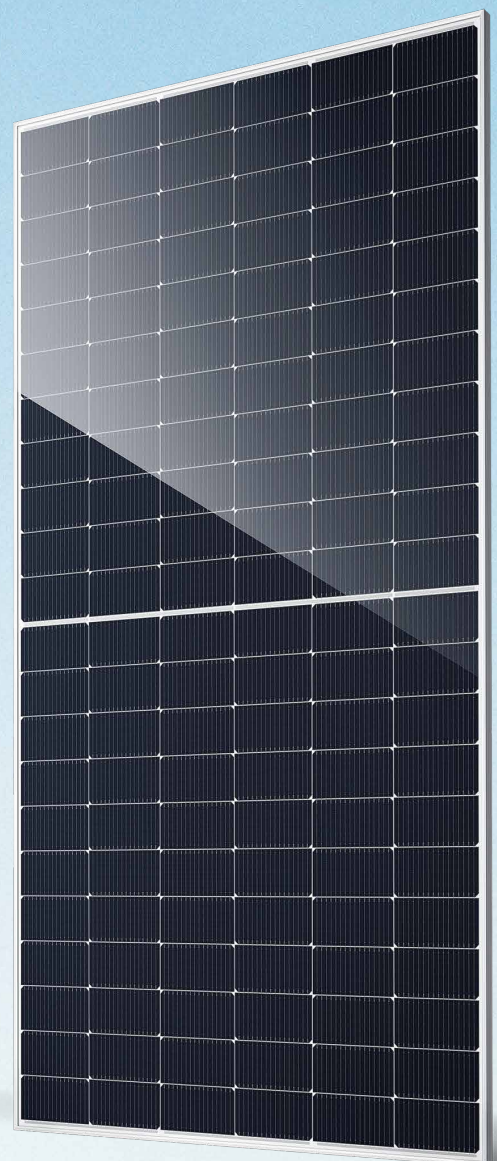
Cell Conversion Efficiency

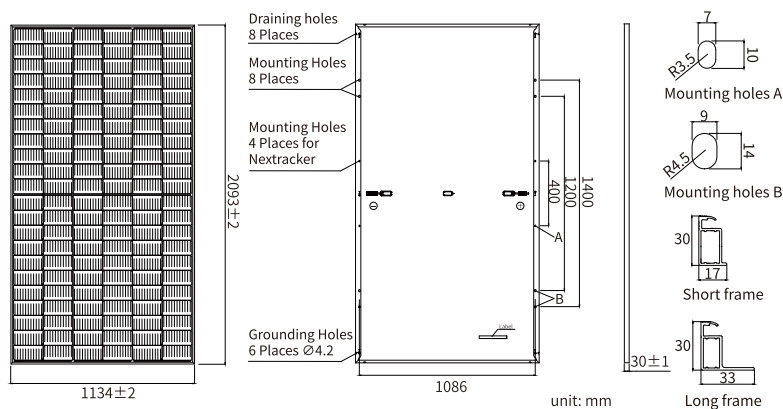
### Premium Modules



### 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





## MECHANICAL PARAMETERS

Cell	Mono
Weight	25.2kg
Dimensions	2093mm × 1134 ± 2mm × 30 ± 1mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12 AWG(UL)
No. of cells	132(6 × 22)
Junction Box	IP68, 3diodes
Connector	QC Solar QC4.10-351/QC4.10-35 Staubi 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	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 <sub>Isc</sub> )	+0.045%/°C					
Temperature Coefficient of Voc (β <sub>Voc</sub> )	-0.275%/°C					
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.350%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G					

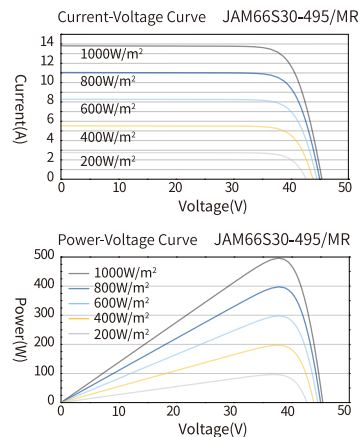
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. Measurement tolerance at STC: Pmax ±3%, Voc ±3% and Isc ±4%.

## 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 <sup>2</sup> , 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	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 Performance	Class C

Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

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