

Harvest the Sunshine

**515W**

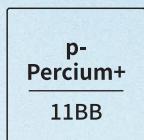


**JA SOLAR**

**JAM66S30 MR**

p-type Monofacial Modules

## Premium Cells

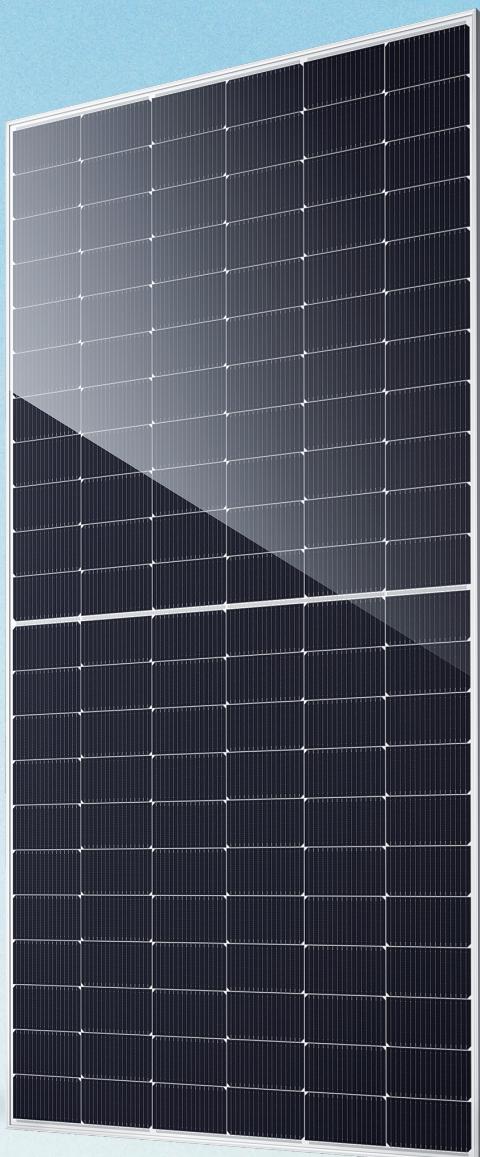
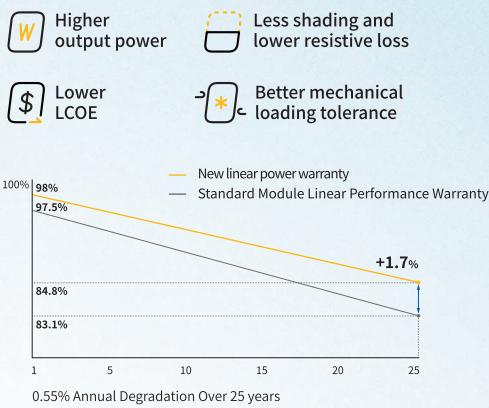


**24%**  
Up To

MBB Half-Cell  
Technology

Cell Conversion  
Efficiency

## Premium Modules



## 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

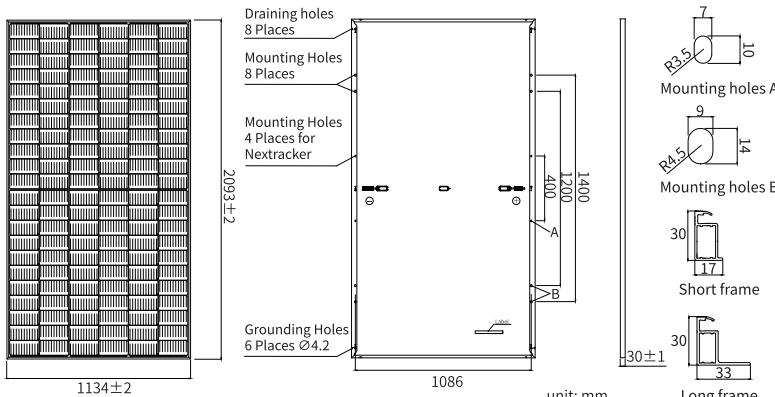


**DEEP BLUE 3.0**

# JAM66S30 MR

p-type Monofacial Modules

**DEEP BLUE 3.0**



## MECHANICAL PARAMETERS

Cell	Mono
Weight	25.2kg
Dimensions	2093±2mm×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 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	-495/MR	-500/MR	-505/MR	-510/MR	-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( $\alpha_{Isc}$ )	+0.045%/°C					
Temperature Coefficient of Voc ( $\beta_{Voc}$ )	-0.275%/°C					
Temperature Coefficient of Pmax( $\gamma_{Pmp}$ )	-0.350%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G					

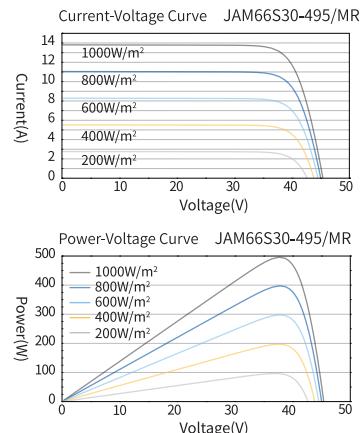
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.  
They only serve for comparison among different module types.

## ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM66S30					
	-490/MR	-495/MR	-500/MR	-505/MR	-510/MR	-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 Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker 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 <sup>2</sup> )
Maximum Static Load, Back*	2400Pa(50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 1/Class C

**JA SOLAR**

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

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