

Harvest the Sunshine

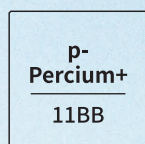
565W



JA SOLAR

JAM72S30 MR p-type Monofacial Modules

Premium Cells

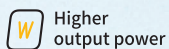


MBB Half-Cell
Technology

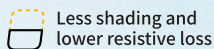
24%
Up To

Cell Conversion
Efficiency

Premium Modules



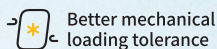
Higher
output power



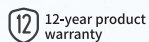
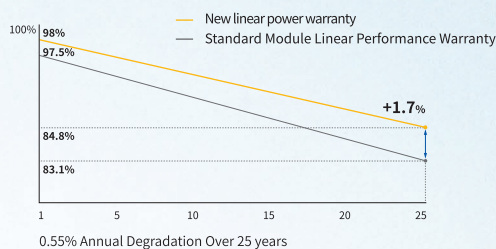
Less shading and
lower resistive loss



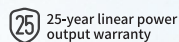
Lower
LCOE



Better mechanical
loading tolerance



12-year product
warranty



25-year linear power
output warranty

Comprehensive Certificates

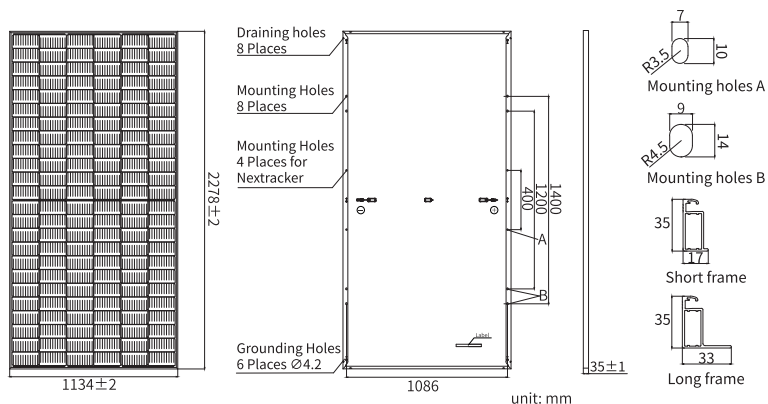
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 3.0

JAM72S30 MR

p-type Monofacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	28.1kg
Dimensions	2278±2mm×1134±2mm×35±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1300mm(+)/1300mm(-)
Front Glass	3.2mm
Packaging Configuration	31pcs/Pallet, 620pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM72S30 540/MR	JAM72S30 545/MR	JAM72S30 550/MR	JAM72S30 555/MR	JAM72S30 560/MR	JAM72S30 565/MR
Rated Maximum Power(P _{max}) [W]	540	545	550	555	560	565
Open Circuit Voltage (V _{oc}) [V]	49.60	49.75	49.90	50.02	50.15	50.28
Maximum Power Voltage(V _{mp}) [V]	41.64	41.80	41.96	42.11	42.27	42.42
Short Circuit Current(I _{sc}) [A]	13.86	13.93	14.00	14.07	14.14	14.21
Maximum Power Current(I _{mp}) [A]	12.97	13.04	13.11	13.18	13.25	13.32
Module Efficiency [%]	20.9	21.1	21.3	21.5	21.7	21.9
Power Tolerance	0~+3%					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.045%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.275%/°C					
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.350%/°C					
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G					

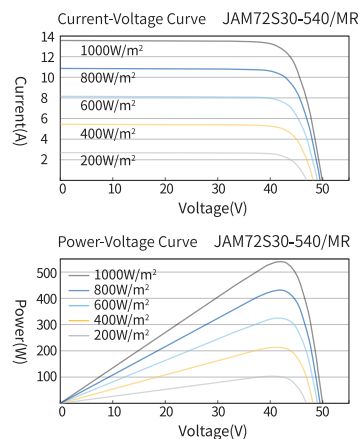
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM72S30 540/MR	JAM72S30 545/MR	JAM72S30 550/MR	JAM72S30 555/MR	JAM72S30 560/MR	JAM72S30 565/MR
Rated Max Power(P _{max}) [W]	408	412	416	420	424	428
Open Circuit Voltage(V _{oc}) [V]	46.43	46.55	46.68	46.85	46.99	47.15
Max Power Voltage(V _{mp}) [V]	38.99	39.20	39.43	39.66	39.85	40.04
Short Circuit Current(I _{sc}) [A]	11.09	11.13	11.17	11.21	11.26	11.31
Max Power Current(I _{mp}) [A]	10.47	10.51	10.55	10.59	10.64	10.69
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