

Harvest the Sunshine

605W

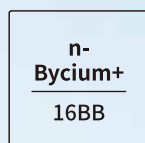


JA SOLAR

JAM72S41 LR

Black Module
n-type Monofacial Modules

Premium Cells



MBB Half-Cell
Technology

26%
Up To

Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



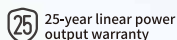
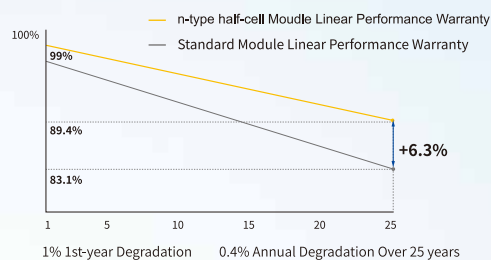
n-type with very
Lower LID



Better Temperature
Coefficient

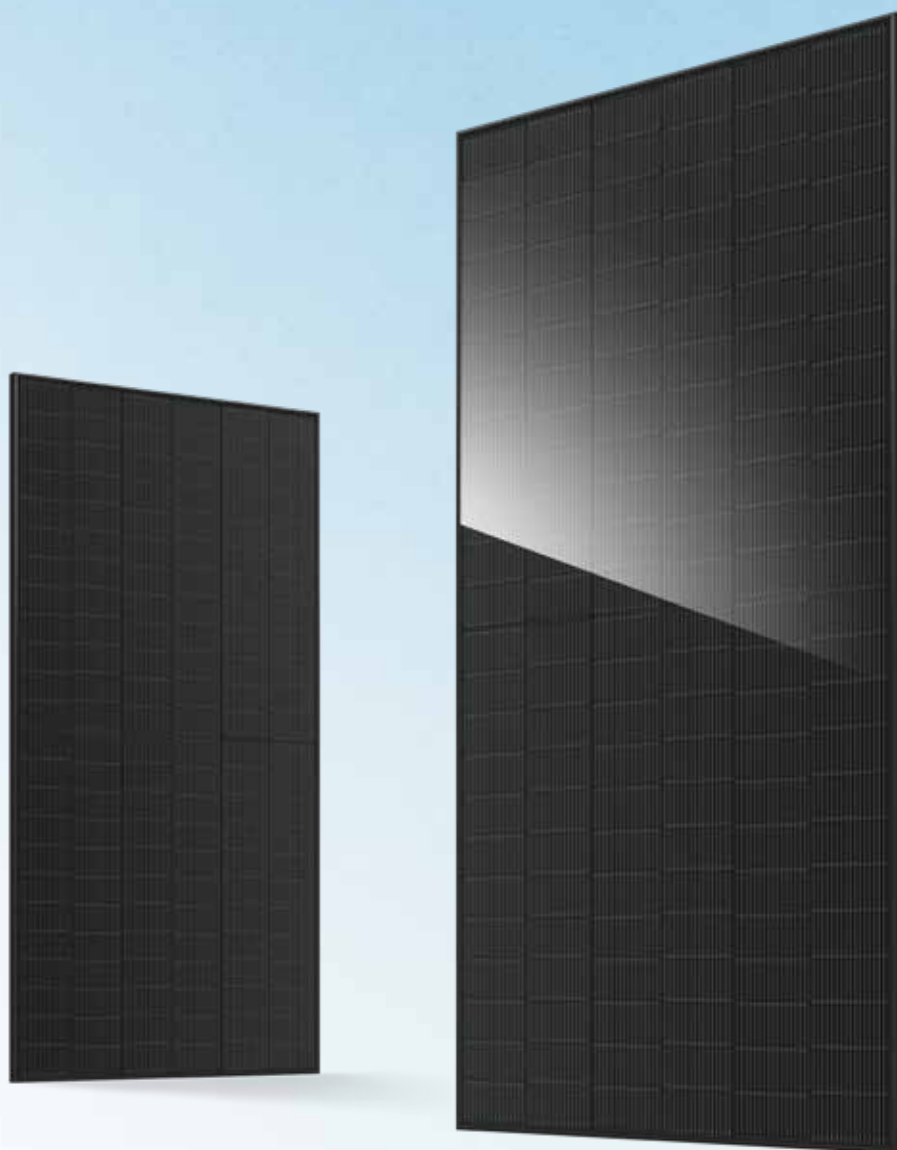


Better low irradiance
response

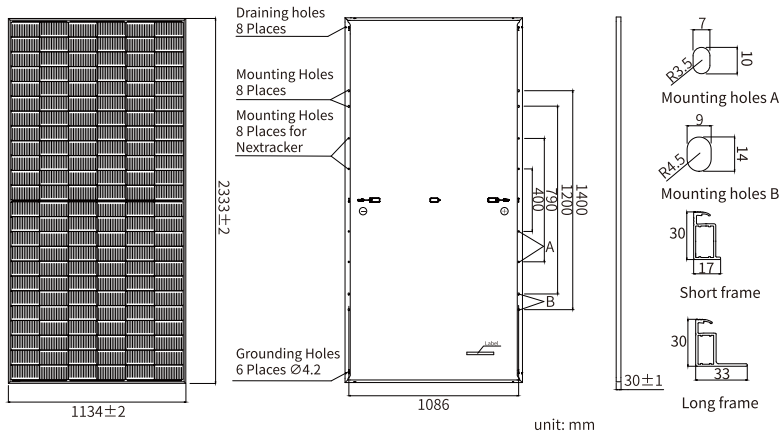


Comprehensive Certificates

- 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



DEEP BLUE 4.0 Pro



MECHANICAL PARAMETERS

Cell	Mono
Weight	28kg
Dimensions	2333±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
Connector	QC4.10-351/MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-)
Front Glass	3.2mm
Packaging Configuration	36pcs/Pallet, 720pcs/40ft Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

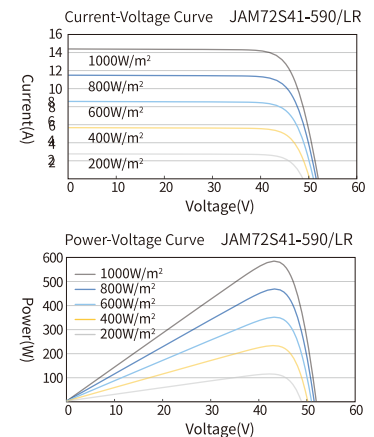
TYPE	JAM72S41 -580/LR	JAM72S41 -585/LR	JAM72S41 -590/LR	JAM72S41 -595/LR	JAM72S41 -600/LR	JAM72S41 -605/LR
Rated Maximum Power(P _{max}) [W]	580	585	590	595	600	605
Open Circuit Voltage (V _{oc}) [V]	51.60	51.80	52.00	52.20	52.40	52.60
Maximum Power Voltage(V _{mp}) [V]	43.06	43.24	43.41	43.59	43.76	43.94
Short Circuit Current(I _{sc}) [A]	14.23	14.29	14.35	14.42	14.48	14.53
Maximum Power Current(I _{mp}) [A]	13.47	13.53	13.59	13.65	13.71	13.77
Module Efficiency [%]	21.9	22.1	22.3	22.5	22.7	22.9
Power Tolerance	0~+3%					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.045%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.250%/°C					
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.290%/°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	JAM72S41 -580/LR	JAM72S41 -585/LR	JAM72S41 -590/LR	JAM72S41 -595/LR	JAM72S41 -600/LR	JAM72S41 -605/LR
Rated Max Power(P _{max}) [W]	439	443	447	450	454	458
Open Circuit Voltage(V _{oc}) [V]	48.83	49.02	49.21	49.39	49.58	49.77
Max Power Voltage(V _{mp}) [V]	40.74	40.91	41.08	41.25	41.41	41.57
Short Circuit Current(I _{sc}) [A]	11.38	11.43	11.48	11.53	11.58	11.62
Max Power Current(I _{mp}) [A]	10.78	10.82	10.87	10.92	10.97	11.02
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	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 I/Class C