

Harvest the Sunshine

650W

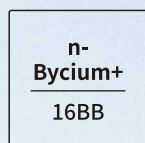


JA SOLAR

JAM78D40 MB

n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



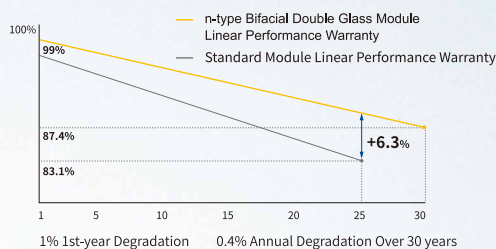
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



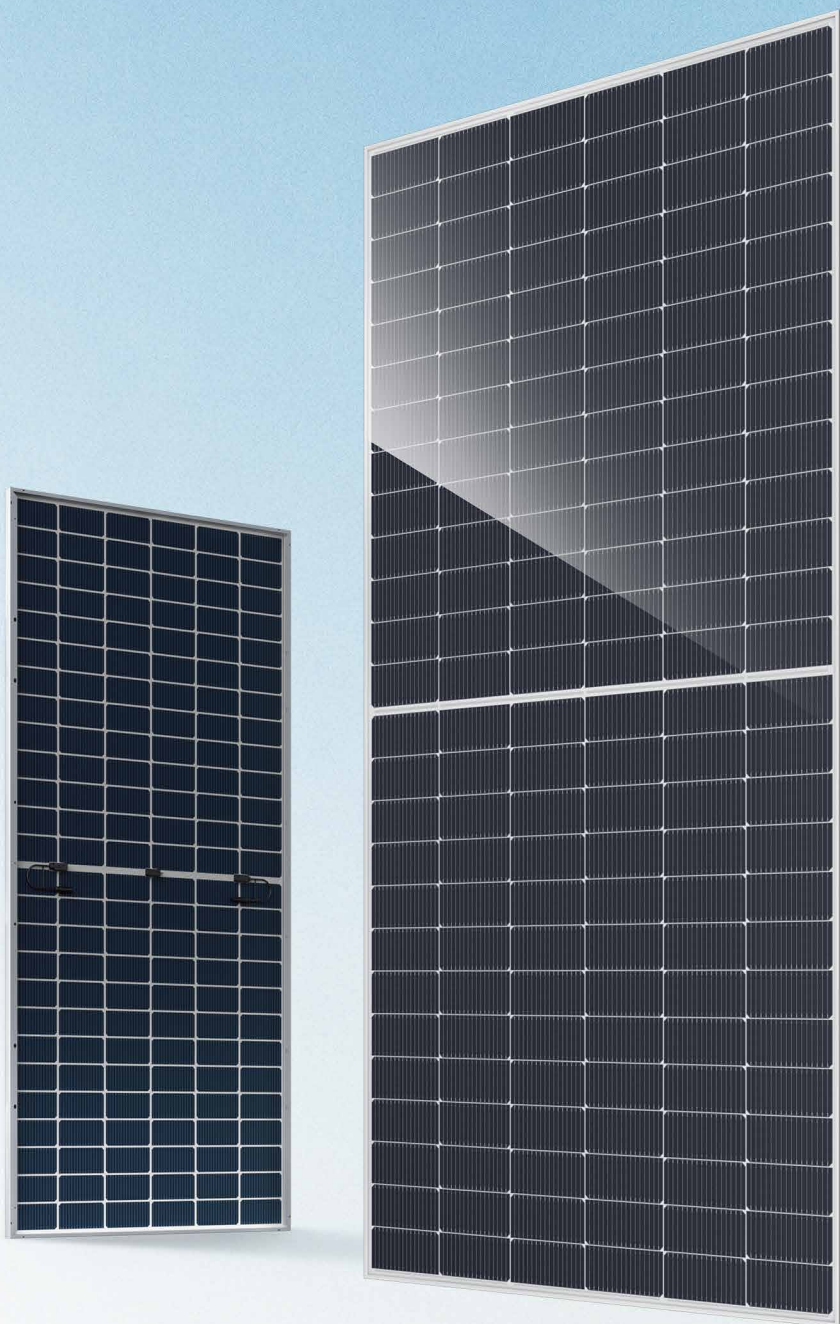
12-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

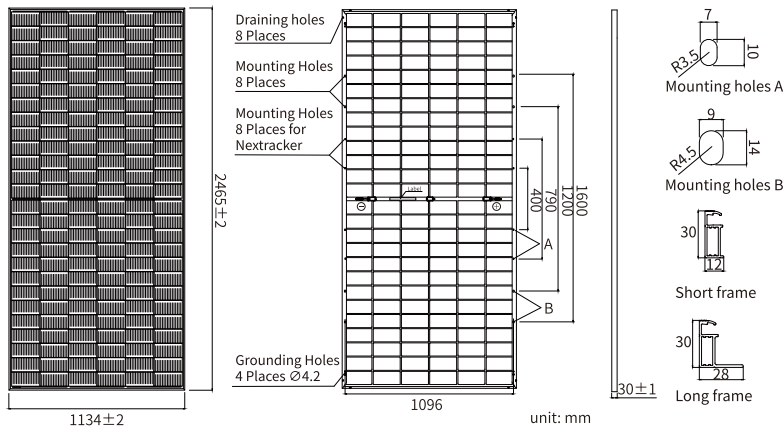
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM78D40 MB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	34.8kg
Dimensions	2465±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	156(6×26)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1500mm(+)/1500mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 576pcs/40HQ Container
Remark: customized frame color and cable length available upon request	

ELECTRICAL PARAMETERS AT STC

TYPE	JAM78D40 -625/MB	JAM78D40 -630/MB	JAM78D40 -635/MB	JAM78D40 -640/MB	JAM78D40 -645/MB	JAM78D40 -650/MB
Rated Maximum Power(P _{max}) [W]	625	630	635	640	645	650
Open Circuit Voltage (V _{oc}) [V]	56.18	56.38	56.57	56.76	56.95	57.14
Maximum Power Voltage(V _{mp}) [V]	47.61	47.80	47.98	48.16	48.35	48.54
Short Circuit Current(I _{sc}) [A]	13.79	13.84	13.89	13.94	13.99	14.04
Maximum Power Current(I _{mp}) [A]	13.13	13.18	13.23	13.29	13.34	13.39
Module Efficiency [%]	22.4	22.5	22.7	22.9	23.1	23.3
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					

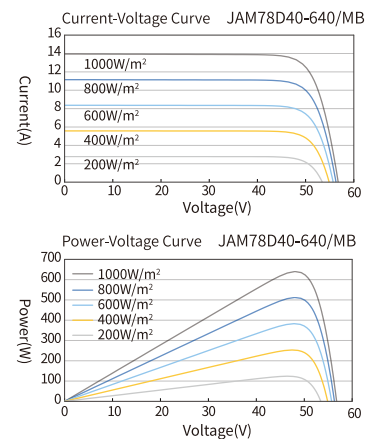
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM78D40 -625/MB	JAM78D40 -630/MB	JAM78D40 -635/MB	JAM78D40 -640/MB	JAM78D40 -645/MB	JAM78D40 -650/MB
Rated Max Power(P _{max}) [W]	675	680	686	691	697	702
Open Circuit Voltage(V _{oc}) [V]	56.18	56.38	56.57	56.76	56.95	57.14
Max Power Voltage(V _{mp}) [V]	47.61	47.80	47.98	48.16	48.35	48.54
Short Circuit Current(I _{sc}) [A]	14.89	14.95	15.00	15.06	15.11	15.16
Max Power Current(I _{mp}) [A]	14.18	14.24	14.29	14.35	14.41	14.46
Irradiation Ratio (rear/front)	10%					

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

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	5400Pa(112 lb/ft ²)
Maximum Static Load, Back*	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C



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Specifications subject to technical changes and tests.
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