

# Harvest the Sunshine

# 605W



# JA SOLAR



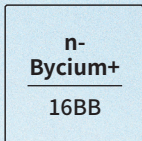
## JAM72D40 MB-US

USDC-J/F

n-Type Double Glass Bifacial Modules

\*Made with USA Domestic Content (See Component Chart Below)

### Premium Cells



MBB Half-Cell Technology

# 26%



Cell Conversion Efficiency

### Premium Modules



Higher power generation better LCOE



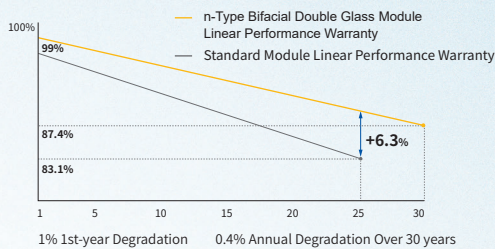
n-Type with very lower LID



Better temperature coefficient



Better low irradiance response

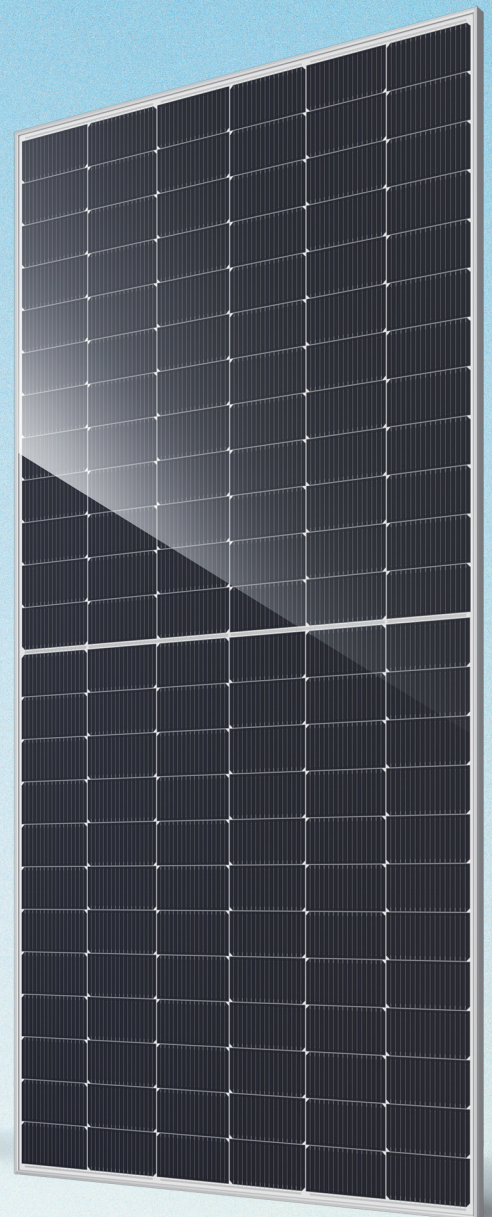


12-year product warranty

30-year linear power output warranty

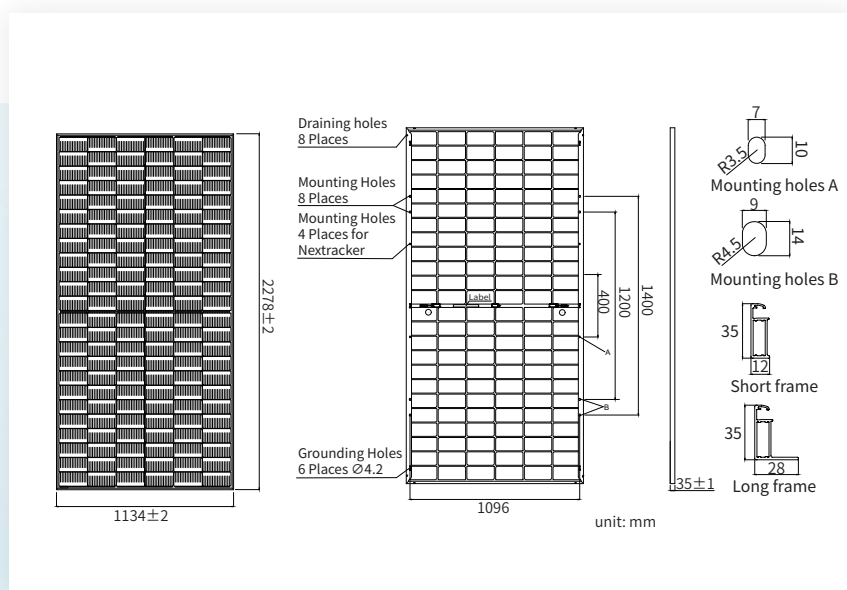
### Comprehensive Certificates

- 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

# JAM72D40 MB-US n-Type Double Glass Bifacial Modules



## MECHANICAL PARAMETERS

Cell	Mono
Weight	31.8kg
Dimensions	2278±2mm × 1134±2mm × 35±1mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3diodes
Connector	QC 4.10-35I/ MC4-EVO2/MC4-EVO2A
Cable Length (Including Connector)	1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	31pcs/Pallet, 589pcs/40HQ Container

Customized frame color and cable length available upon request

## ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D40 -580/MB-US	JAM72D40 -585/MB-US	JAM72D40 -590/MB-US	JAM72D40 -595/MB-US	JAM72D40 -600/MB-US	JAM72D40 -605/MB-US
Rated Maximum Power(Pmax) [W]	580	585	590	595	600	605
Open Circuit Voltage (Voc) [V]	53.50	53.70	53.90	54.10	54.30	54.50
Maximum Power Voltage(Vmp) [V]	44.70	44.90	45.10	45.30	45.50	45.70
Short Circuit Current(Isc) [A]	13.95	14.00	14.05	14.10	14.15	14.20
Maximum Power Current(Imp) [A]	12.98	13.03	13.09	13.14	13.19	13.24
Module Efficiency [%]	22.5	22.6	22.8	23.0	23.2	23.4
Power Tolerance	0~+3%					
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.045%/°C					
Temperature Coefficient of Voc (β <sub>Voc</sub> )	-0.250%/°C					
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.290%/°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 CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

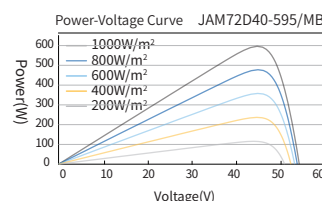
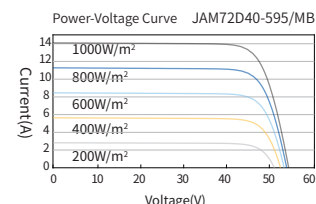
TYPE	JAM72D40 -580/MB-US	JAM72D40 -585/MB-US	JAM72D40 -590/MB-US	JAM72D40 -595/MB-US	JAM72D40 -600/MB-US	JAM72D40 -605/MB-US
Rated Max Power(Pmax) [W]	626	632	637	643	648	653
Open Circuit Voltage(Voc) [V]	53.50	53.70	53.90	54.10	54.30	54.50
Max Power Voltage(Vmp) [V]	44.70	44.90	45.10	45.30	45.50	45.70
Short Circuit Current(Isc) [A]	15.07	15.12	15.17	15.23	15.28	15.34
Max Power Current(Imp) [A]	14.02	14.07	14.14	14.19	14.25	14.30
Irradiation Ratio (rear/front)	10%					

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

### \*COMPONENT | USDC CODE

Cells	C	Front Glass	G	Backglass	B	Edge Seals	S	Bus Ribbons	R	Production	X
Frame	F	Encapsulant	E	Junction Box	J	Pottants	P	Bypass Diodes	D		

## 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 <sup>2</sup> )
Maximum Static Load, Back*	2400Pa(50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C



### USA Subsidiary

JA Solar USA  
2570 North First Street, Suite 360 San Jose, CA 95131, USA  
Tel: 1-408-586-0000 Fax: 1-408-956-9505  
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

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

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