

585W

MB
Series



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

n-type Bifacial Double Glass High Efficiency Mono Module JAM66D42 MB/1500V

560-585

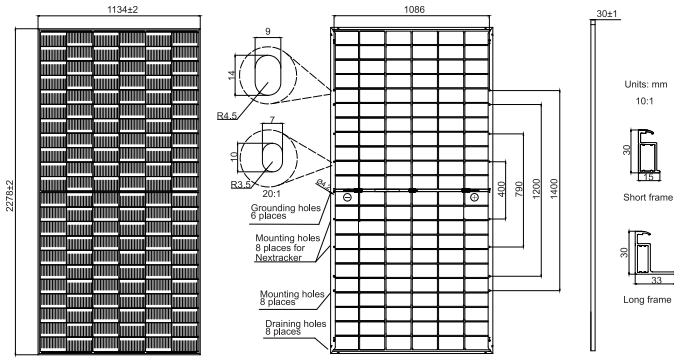
Comprehensive Certificates

- 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





585W **560-585** **MB Series**
 JAM66D42



Remark: customized frame color and cable length available upon request

Cell	Mono-16BB
Weight	31.8kg
Dimensions	2278±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	132(6×22)
Junction Box	IP68, 3 diodes
Connector	Stäubli MC4-EVO2A/MC4-EVO2 QC Solar QC 4.10-351/QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Country of Manufacturer	China/Vietnam

ELECTRICAL PARAMETERS AT STC

TYPE	JAM66D42-560/MB/1500V	JAM66D42-565/MB/1500V	JAM66D42-570/MB/1500V	JAM66D42-575/MB/1500V	JAM66D42-580/MB/1500V	JAM66D42-585/MB/1500V
Rated Maximum Power(Pmax) [W]	560	565	570	575	580	585
Open Circuit Voltage(Voc) [V]	47.38	47.58	47.78	47.98	48.18	48.38
Maximum Power Voltage(Vmp) [V]	39.58	39.79	40.00	40.21	40.42	40.63
Short Circuit Current(Isc) [A]	15.01	15.06	15.11	15.16	15.21	15.26
Maximum Power Current(Imp) [A]	14.15	14.20	14.25	14.30	14.35	14.40
Module Efficiency [%]	21.7	21.9	22.1	22.3	22.5	22.6
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α _{Isc})	+0.046%/ C					
Temperature Coefficient of Voc(β _{Voc})	-0.260%/ C					
Temperature Coefficient of Pmax(γ _{Pmp})	-0.300%/ 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.

Measurement tolerance at STC: Pmax ±3%, Voc ±3% and Isc ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D42-560/MB/1500V	JAM66D42-565/MB/1500V	JAM66D42-570/MB/1500V	JAM66D42-575/MB/1500V	JAM66D42-580/MB/1500V	JAM66D42-585/MB/1500V
Rated Max Power(Pmax) [W]	605	610	616	621	626	632
Open Circuit Voltage(Voc) [V]	47.38	47.58	47.78	47.98	48.18	48.38
Max Power Voltage(Vmp) [V]	39.58	39.79	40.00	40.21	40.42	40.63
Short Circuit Current(Isc) [A]	16.21	16.26	16.32	16.37	16.43	16.48
Max Power Current(Imp) [A]	15.28	15.34	15.39	15.44	15.50	15.55
Irradiation Ratio (rear/front)	10%					

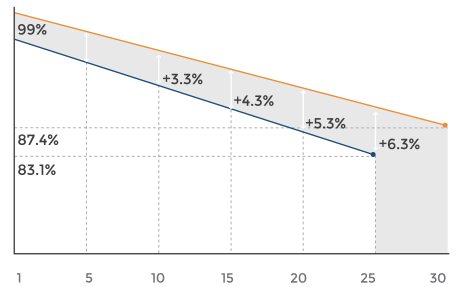
*For Nexttracker installations, maximum static load please take compatibility approve letter between JA Solar and Nexttracker for reference.

**Bifaciality=Pmax,rear/Rated Pmax,front

CHARACTERISTICS

Superior Warranty

1% 1st-year Degradation
 0.4% Annual Degradation Over 30 years



- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40 °C ~+85 °C
Maximum Series Fuse Rating	30A
Maximum Static Load,Front*	3600Pa, 1.5
Maximum Static Load,Back*	1600Pa, 1.5
NOCT	45±2 °C
Bifaciality**	80%±10%
Fire Safety Class	Class C

Current-Voltage Curve JAM66D42-580/MB/1500V Power-Voltage Curve JAM66D42-580/MB/1500V Current-Voltage Curve JAM66D42-580/MB/1500V

