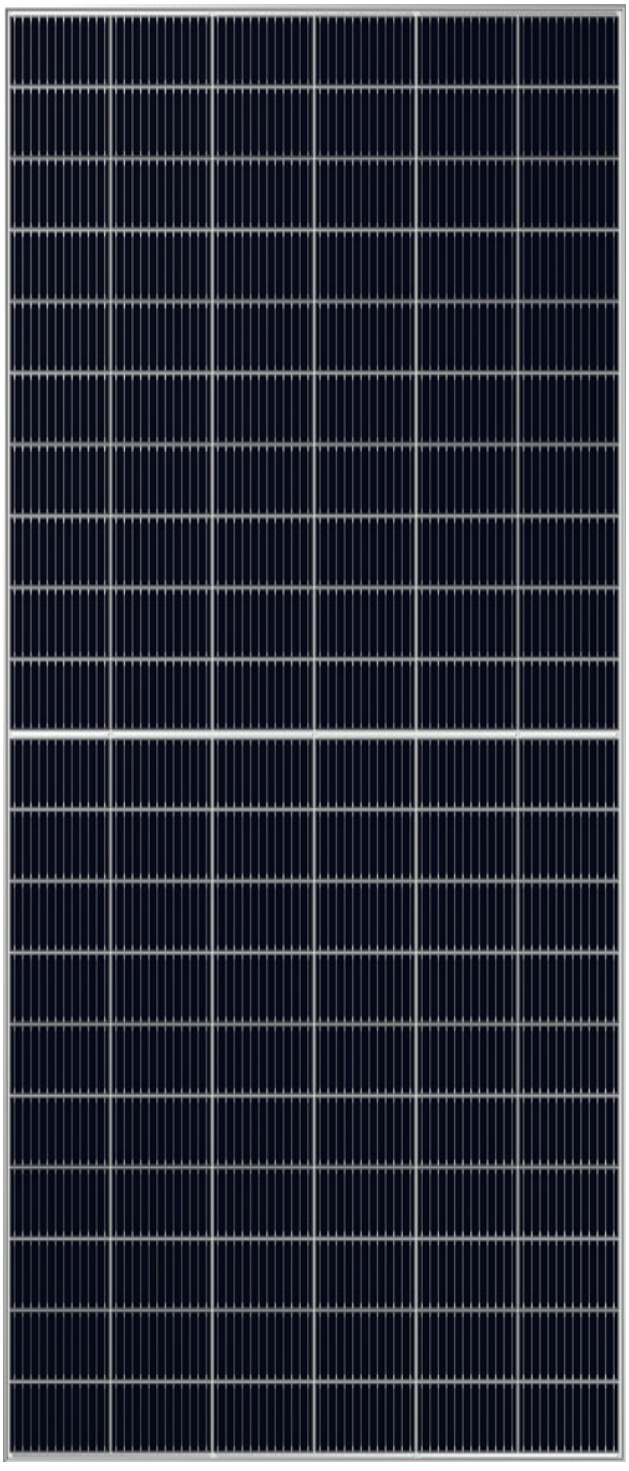
615W LB Series



- Higher power generation better LCOE
- n-type with very Lower LID
- Better Temperature Coefficient
- Better low irradiance response

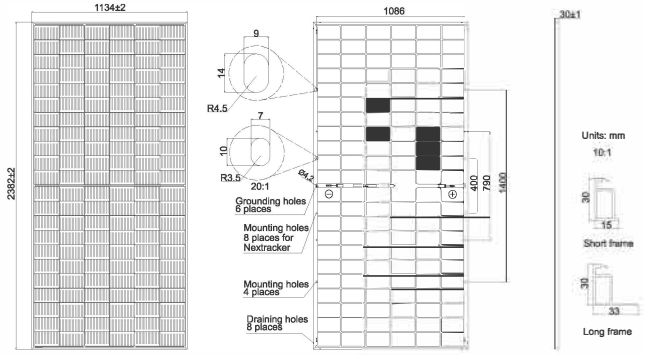
- 12-year product warranty
- 30-year linear power output warranty

n-type Bifacial Double Glass High Efficiency Mono Module M66D45 LB

590-615

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



Remark: customized frame color and cable length available upon request

Cell	Mono-16BB
Weight	33.1kg
Dimensions	2382±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm² (IEC), 12 AWG(UL)
No. of cells	132(6×22)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1500mm(+)/1500mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

ELECTRICAL PARAMETERS AT STC

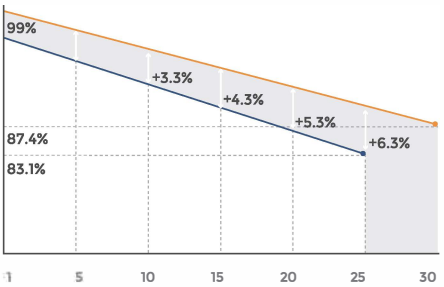
TYPE	M66D45 -590/LB	M66D45 -595/LB	M66D45 -600/LB	M66D45 -605/LB	M66D45 -610/LB	M66D45 -615/LB
Rated Maximum Power(Pmax) [W]	590	595	600	605	610	615
Open Circuit Voltage(Voc) [V]	47.30	47.50	47.70	47.90	48.10	48.30
Maximum Power Voltage(Vmp) [V]	39.09	39.27	39.44	39.60	39.77	39.96
Short Circuit Current(Isc) [A]	15.85	15.90	15.95	16.00	16.05	16.10
Maximum Power Current(Imp) [A]	15.09	15.15	15.21	15.28	15.34	15.39
Module Efficiency [%]	21.8	22.0	22.2	22.4	22.6	22.8
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α_Isc)	+0.046%/℃					
Temperature Coefficient of Voc(β_Voc)	-0.260%/℃					
Temperature Coefficient of Pmax(γ_Pmp)	-0.300%/℃					
STC	Irradiance 1000W/m², cell temperature 25℃, 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.

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

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	M66D45 -590/LB	M66D45 -595/LB	M66D45 -600/LB	M66D45 -605/LB	M66D45 -610/LB	M66D45 -615/LB
Rated Max Power(Pmax) [W]	637	643	648	653	659	664
Open Circuit Voltage(Voc) [V]	47.30	47.50	47.70	47.90	48.10	48.30
Max Power Voltage(Vmp) [V]	39.09	39.27	39.44	39.60	39.77	39.96
Short Circuit Current(Isc) [A]	17.12	17.17	17.23	17.28	17.33	17.39
Max Power Current(Imp) [A]	16.30	16.36	16.43	16.50	16.56	16.62
Irradiation Ratio (rear/front)	10%					

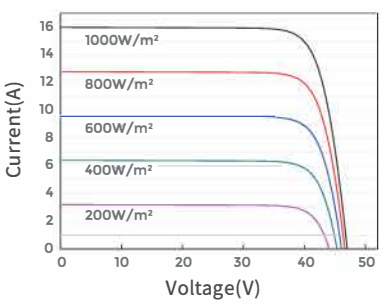
*For Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker for reference.
**Bifaciality=Pmax,rear/Rated Pmax,front

OPERATING CONDITIONS

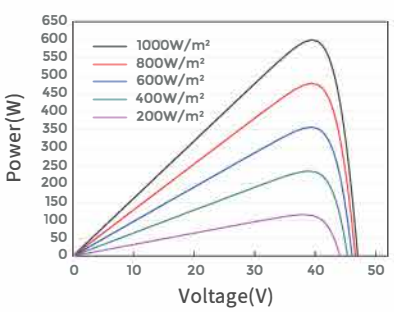
Maximum System Voltage	1500V DC
Operating Temperature	-40℃~+85℃
Maximum Series Fuse Rating	35A
Maximum Static Load,Front*	5400Pa(112 lb/ft²)
Maximum Static Load,Back*	2400Pa(50 lb/ft²)
NOCT	45±2℃
Bifaciality**	80%±10%
Fire Performance	UL Type 29

CHARACTERISTICS

Current-Voltage Curve **M66D45-600/LB**



Power-Voltage Curve **M66D45-600/LB**



Current-Voltage Curve **M66D45-600/LB**