

510W

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
JAM60D40 LB**

485-510

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

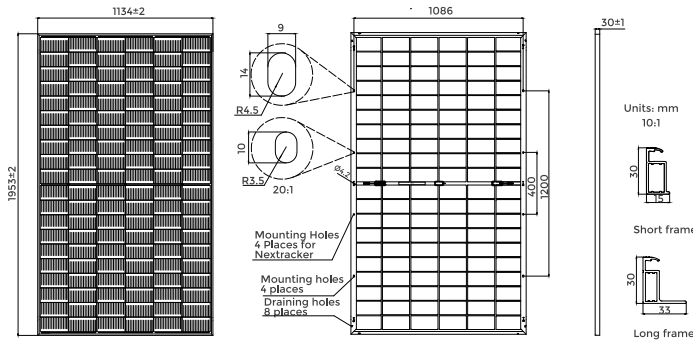




510W

485-510
JAM60D40

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Remark: customized frame color and cable length available upon request

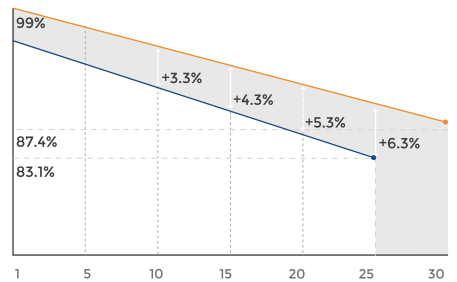
Cell	Mono-16BB
Weight	27.3kg
Dimensions	1953±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 864pcs/40HQ Container

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60D40 -485/LB	JAM60D40 -490/LB	JAM60D40 -495/LB	JAM60D40 -500/LB	JAM60D40 -505/LB	JAM60D40 -510/LB
Rated Maximum Power(Pmax) [W]	485	490	495	500	505	510
Open Circuit Voltage(Voc) [V]	43.25	43.45	43.65	43.85	44.05	44.25
Maximum Power Voltage(Vmp) [V]	36.28	36.49	36.70	36.91	37.11	37.31
Short Circuit Current(Isc) [A]	14.24	14.30	14.36	14.42	14.48	14.54
Maximum Power Current(Imp) [A]	13.37	13.43	13.49	13.55	13.61	13.67
Module Efficiency [%]	21.9	22.1	22.4	22.6	22.8	23.0
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					

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	JAM60D40 -485/LB	JAM60D40 -490/LB	JAM60D40 -495/LB	JAM60D40 -500/LB	JAM60D40 -505/LB	JAM60D40 -510/LB
Rated Max Power(Pmax) [W]	524	529	535	540	545	551
Open Circuit Voltage(Voc) [V]	43.25	43.45	43.65	43.85	44.05	44.25
Max Power Voltage(Vmp) [V]	36.28	36.49	36.70	36.91	37.11	37.31
Short Circuit Current(Isc) [A]	15.38	15.44	15.51	15.57	15.64	15.70
Max Power Current(Imp) [A]	14.44	14.50	14.57	14.63	14.70	14.76
Irradiation Ratio (rear/front)	10%					

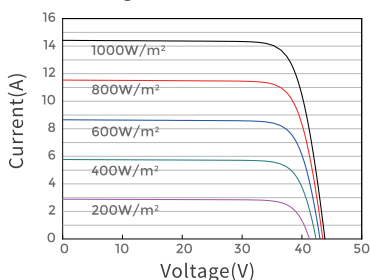
*Bifaciality=Pmax,rear/Rated Pmax,front

OPERATING CONDITIONS

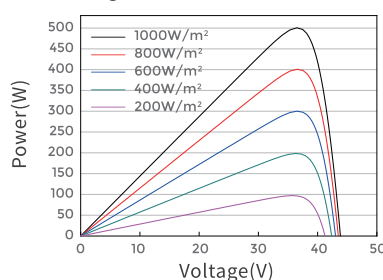
Maximum System Voltage	1500V DC
Operating Temperature	-40 C ~+85 C
Maximum Series Fuse Rating	30A
Maximum Static Load,Front	5400Pa(112 lb/ft ²)
Maximum Static Load,Back	2400Pa(50 lb/ft ²)
NOCT	45±2 C
Bifaciality*	80%±10%
Fire Performance	UL Type 29

CHARACTERISTICS

Current-Voltage Curve JAM60D40-500/LB



Power-Voltage Curve JAM60D40-500/LB



Current-Voltage Curve JAM60D40-500/LB

