



Higher power generation better LCOE



n-type with very Lower LID



Better weak illumination response

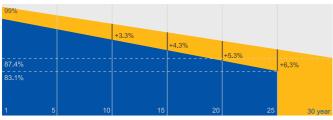


Better Temperature Coefficient



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

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

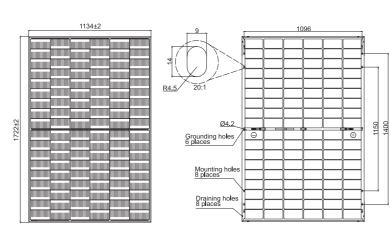


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MECHANICAL DIAGRAMS



SPECIFICATIONS

Irradiance 1000W/m², cell temperature 25°C, AM1.5G

Units: mm

Short frame

Long frame

Cell	Mono-16BB
Weight	21.5kg
Dimensions	1722±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm² (IEC), 12 AWG(UL)
No. of cells	108(6×18)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 200mm(+)/300mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1100mm(+)/1100mm(-)
Front Glass/Back Glass	1.6mm/1.6mm
Packaging Configuration	36pcs/Pallet, 936pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC										
ТҮРЕ	JAM54D40 -410/GB	JAM54D40 -415/GB	JAM54D40 -420/GB	JAM54D40 -425/GB	JAM54D40 -430/GB	JAM54D40 -435/GB				
Rated Maximum Power(Pmax) [W]	410	415	420	425	430	435				
Open Circuit Voltage(Voc) [V]	37.82	37.92	38.05	38.20	38.32	38.45				
Maximum Power Voltage(Vmp) [V]	31.37	31.59	31.80	32.01	32.21	32.42				
Short Circuit Current(Isc) [A]	13.95	14.02	14.09	14.16	14.23	14.30				
Maximum Power Current(Imp) [A]	13.07	13.14	13.21	13.28	13.35	13.42				
Module Efficiency [%]	21.0	21.3	21.5	21.8	22.0	22.3				
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						

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 OPERATING CONDITIONS								TONS	
TYPE	JAM54D40 -410/GB	JAM54D40 -415/GB	JAM54D40 -420/GB	JAM54D40 -425/GB	JAM54D40 -430/GB	JAM54D40 -435/GB	Maximum System Voltage	1500V DC	
Rated Max Power(Pmax) [W]	443	448	454	459	464	470	Operating Temperature	-40°C~+85°C	
Open Circuit Voltage(Voc) [V]	37.85	37.95	38.08	38.23	38.35	38.48	Maximum Series Fuse Rating	30A	
Max Power Voltage(Vmp) [V]	31.37	31.58	31.79	32.00	32.21	32.41	Maximum Static Load, Front Maximum Static Load, Back	3600Pa(75 lb/ft²) 2400Pa(50 lb/ft²)	
Short Circuit Current(Isc) [A]	15.07	15.14	15.22	15.29	15.37	15.44	NOCT	45±2°C	
Max Power Current(Imp) [A]	14.12	14.19	14.27	14.34	14.42	14.49	Bifaciality*	80%±10%	
Irradiation Ratio (rear/front)				10%			Fire Performance	UL Type 29	
*Bifaciality=Pmax,rear/Rated Pmax,front									

CHARACTERISTICS

STC

Current-Voltage Curve JAM54D40-425/GB

