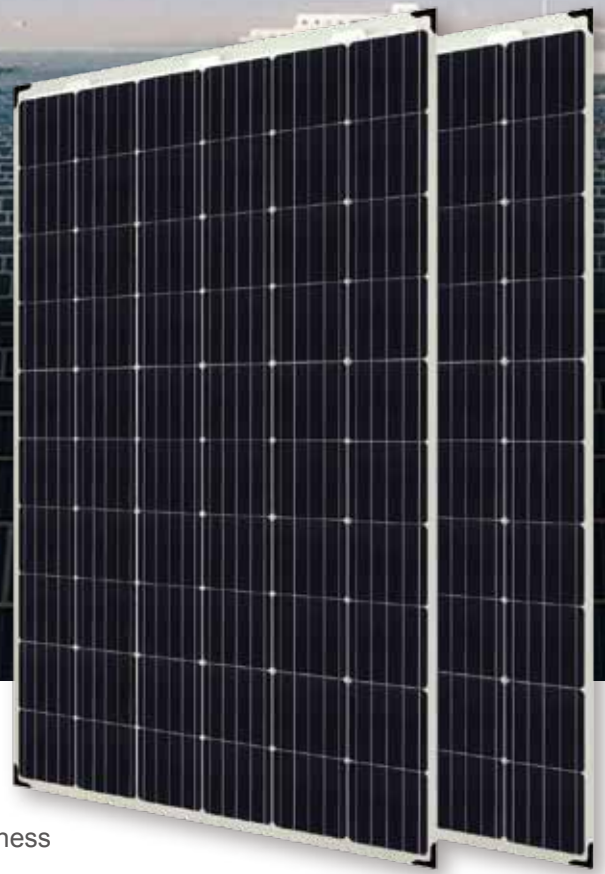




310W PERC Double Glass Module JAM60D00 290-310/PR Series

Introduction

These double-glass modules are powered by PERC cells to provide high power output with higher energy generation at low-irradiance conditions and better temperature-dependent performance, as well as excellent reliability and durability during the lifespan of their deployment in the field.



PID resistant and free of snail trails



Increased module robustness to minimize micro-cracks



Fire class A enhanced safety

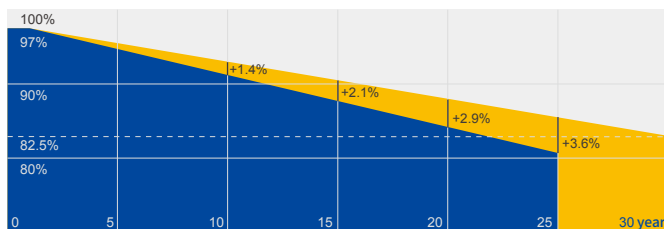


Suitable for harsh environments, such as coasts, deserts and lakes

Superior Warranty

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

0.5% Annual Degradation Over 30 years



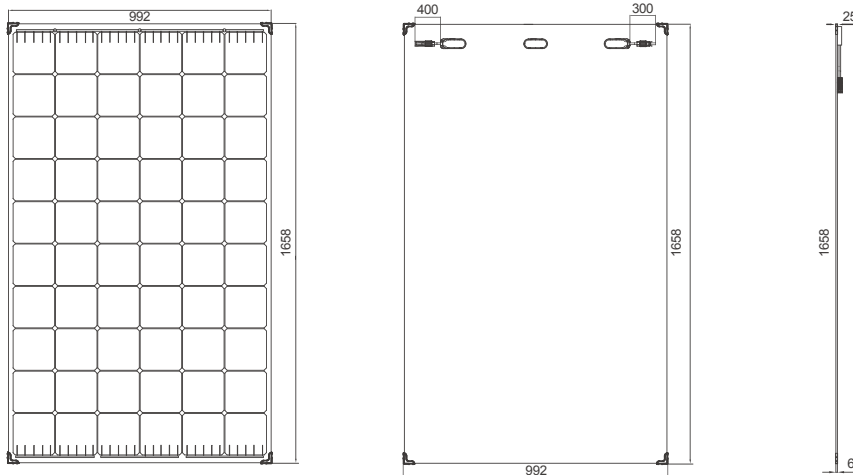
■ Additional Value From 30-Year Warranty ■ JA Standard

Comprehensive Certificates

- IEC 61215, IEC 61730, IEC TS 62804, IEC 61701, IEC 62716, IEC 60068-2-68
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



MECHANICAL DIAGRAMS



Remark: customized cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	23kg±3%
Dimensions	1658mm×992mm×6mm (1658mm×992mm×25mm with junction box)
Cable Cross Section Size	4mm ²
No. of cells	60(6x10)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-35
Packaging Configuration	36 Per Pallet

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60D00 -290/PR	JAM60D00 -295/PR	JAM60D00 -300/PR	JAM60D00 -305/PR	JAM60D00 -310/PR
Rated Maximum Power(P _{max}) [W]	290	295	300	305	310
Open Circuit Voltage(V _{oc}) [V]	39.42	39.71	40.02	40.35	40.63
Maximum Power Voltage(V _{mp}) [V]	32.16	32.42	32.72	32.98	33.27
Short Circuit Current(I _{sc}) [A]	9.51	9.58	9.65	9.72	9.80
Maximum Power Current(I _{mp}) [A]	9.02	9.10	9.17	9.25	9.32
Module Efficiency [%]	17.6	17.9	18.2	18.5	18.8
Power Tolerance	0~+5W				
Temperature Coefficient of I _{sc} (α_{Isc})	+0.059%/°C				
Temperature Coefficient of V _{oc} (β_{Voc})	-0.300%/°C				
Temperature Coefficient of P _{max} (γ_{Pmp})	-0.380%/°C				
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G				

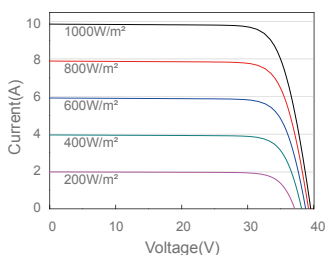
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL PARAMETERS AT NOCT

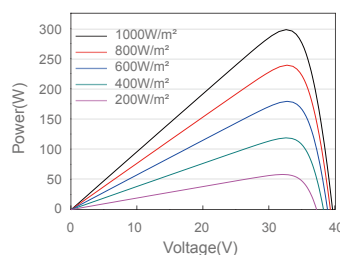
TYPE	JAM60D00 -290/PR	JAM60D00 -295/PR	JAM60D00 -300/PR	JAM60D00 -305/PR	JAM60D00 -310/PR	OPERATING CONDITIONS	
Rated Max Power(P _{max}) [W]	215	218	222	226	229	Maximum System Voltage	1500V DC(IEC)
Open Circuit Voltage(V _{oc}) [V]	36.34	36.57	36.75	36.95	37.23	Operating Temperature	-40°C~+85°C
Max Power Voltage(V _{mp}) [V]	29.68	29.47	29.80	30.01	30.30	Maximum Series Fuse	20A
Short Circuit Current(I _{sc}) [A]	7.63	7.71	7.80	7.88	7.93	Maximum Static Load, Front	5400Pa
Max Power Current(I _{mp}) [A]	7.23	7.34	7.45	7.52	7.57	Maximum Static Load, Back	2400Pa
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G					NOCT	45±2°C
						Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve JAM60D00-300/PR



Power-Voltage Curve JAM60D00-300/PR



Current-Voltage Curve JAM60D00-300/PR

