



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

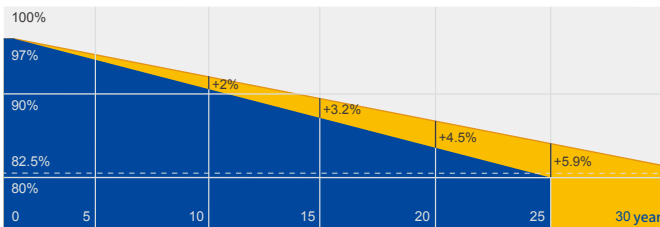


Suitable for harsh environments, such as coasts, deserts and lakes

Superior Warranty

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

0.5% Annual Degradation Over 30 years



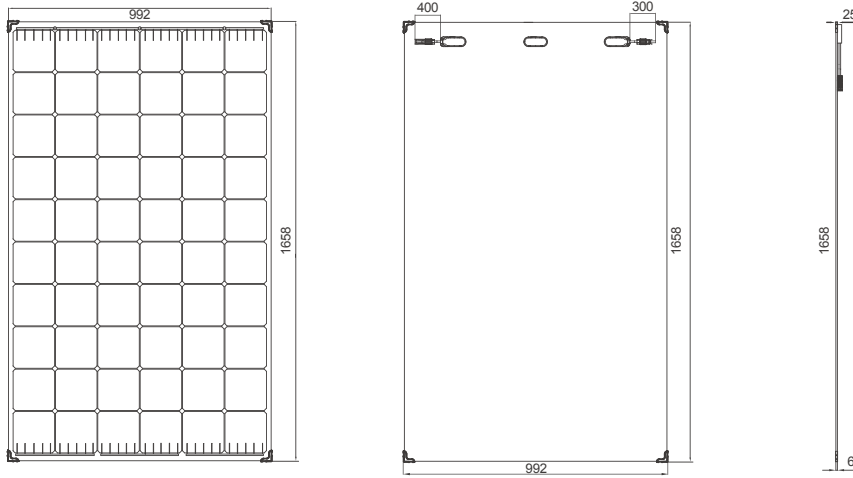
■ Additional Value From 30-Year Warranty ■ JA Standard

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 -310PR |
|---|---|---------------------|---------------------|---------------------|--------------------|
| Rated Maximum Power(Pmax) [W] | 290 | 295 | 300 | 305 | 310 |
| Open Circuit Voltage(Voc) [V] | 39.42 | 39.71 | 40.02 | 40.35 | 40.63 |
| Maximum Power Voltage(Vmp) [V] | 32.16 | 32.42 | 32.72 | 32.98 | 33.27 |
| Short Circuit Current(Isc) [A] | 9.51 | 9.58 | 9.65 | 9.72 | 9.80 |
| Maximum Power Current(Imp) [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 Isc(α_{Isc}) | +0.059%/°C | | | | |
| Temperature Coefficient of Voc(β_{Voc}) | -0.300%/°C | | | | |
| Temperature Coefficient of Pmax(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

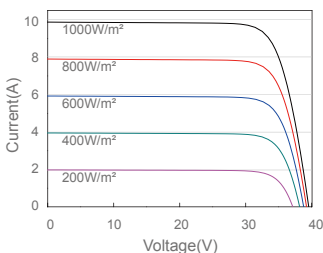
| TYPE | JAM60D00 -290/PR | JAM60D00 -295/PR | JAM60D00 -300/PR | JAM60D00 -305/PR | JAM60D00 -310/PR |
|--------------------------------|---|---------------------|---------------------|---------------------|---------------------|
| Rated Max Power(Pmax) [W] | 215 | 218 | 222 | 226 | 229 |
| Open Circuit Voltage(Voc) [V] | 36.34 | 36.57 | 36.75 | 36.95 | 37.23 |
| Max Power Voltage(Vmp) [V] | 29.68 | 29.47 | 29.80 | 30.01 | 30.30 |
| Short Circuit Current(Isc) [A] | 7.63 | 7.71 | 7.80 | 7.88 | 7.93 |
| Max Power Current(Imp) [A] | 7.23 | 7.34 | 7.45 | 7.52 | 7.57 |
| NOCT | Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G | | | | |

OPERATING CONDITIONS

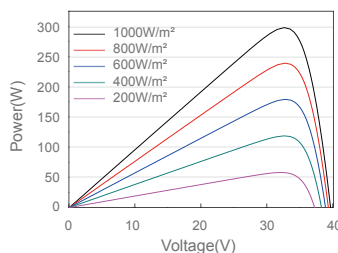
| | |
|---------------------------|---------------|
| Maximum System Voltage | 1500V DC(IEC) |
| Operating Temperature | -40°C~+85°C |
| Maximum Series Fuse | 20A |
| Maximum Static Load,Front | 5400Pa |
| Maximum Static Load,Back | 2400Pa |
| NOCT | 45±2°C |
| Application Class | Class A |

CHARACTERISTICS

Current-Voltage Curve JAM60D00-300/PR



Power-Voltage Curve JAM60D00-300/PR



Current-Voltage Curve JAM60D00-300/PR

