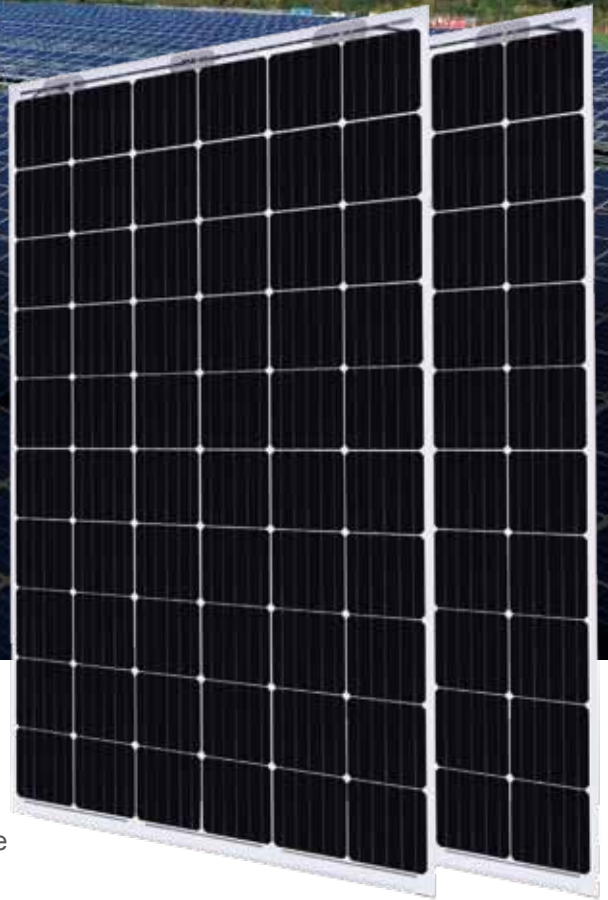




# 320W Bifacial Mono PERC Double Glass Module

JST300-320M Series

## Introduction



3%~15% more energy generation



Superior low irradiance performance



Excellent temperature dependent performance

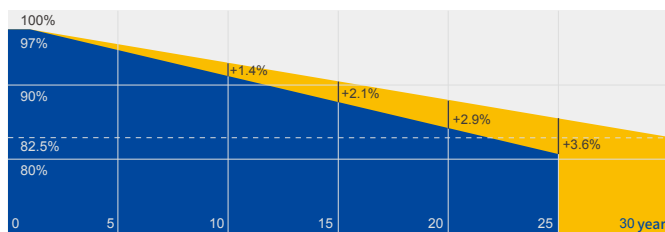


Lower LCOE

## Superior Warranty

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

0.5% Annual Degradation Over 30 years

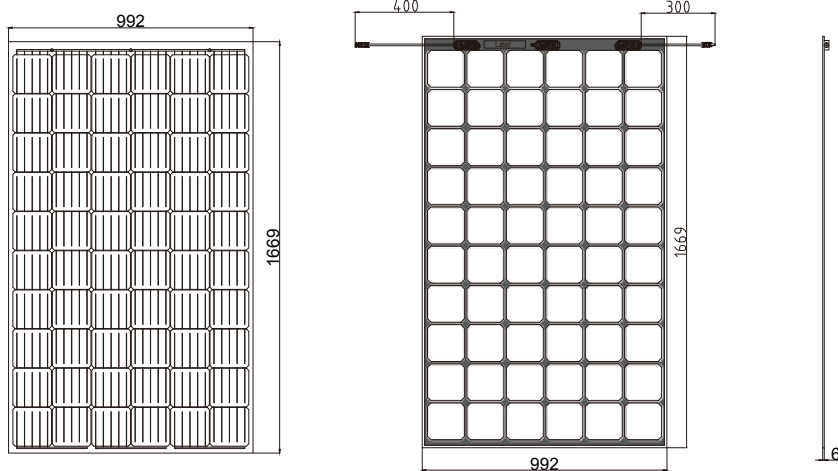


■ Additional Value From 30-Year Warranty ■ JUST Standard

## Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- OHSAS 18001: 2007 Occupational health and safety management systems



**MECHANICAL DIAGRAMS**


Remark: customized cable length available upon request

**SPECIFICATIONS**

Cell	Mono
Weight	23.2kg±3%
Dimensions	1669mm×992mm×6mm (1669mm×992mm×25mm with junction box)
Cable Cross Section Size	4mm <sup>2</sup>
No. of cells	60(6×10)
Junction Box	IP68, 3 diodes
Connector	QC 4.10-35
Packaging Configuration	32 Per Pallet

**ELECTRICAL PARAMETERS AT STC**

TYPE	JST300M	JST305M	JST310M	JST315M	JST320M
Rated Maximum Power(Pmax) [W]	300	305	310	315	320
Open Circuit Voltage(Voc) [V]	39.98	40.15	40.48	40.75	41.03
Maximum Power Voltage(Vmp) [V]	33.45	33.81	34.16	34.43	34.75
Short Circuit Current(Isc) [A]	9.66	9.76	9.82	9.87	9.93
Maximum Power Current(Imp) [A]	8.97	9.02	9.08	9.15	9.21
Module Efficiency [%]	18.1	18.4	18.7	19.0	19.3
Power Tolerance					0~+5W
Temperature Coefficient of Isc( $\alpha_{Isc}$ )					0.060%/°C
Temperature Coefficient of Voc( $\beta_{Voc}$ )					-0.300%/°C
Temperature Coefficient of Pmax( $\gamma_{Pmp}$ )					-0.380%/°C
STC	Irradiance 1000W/m <sup>2</sup> , 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. The efficiency of the bifacial PERC glass-glass modules at 200W/m<sup>2</sup> to that at 1000W/m<sup>2</sup> is 98%.

\*Bifaciality = Pmax,rear/Pmax,front

**ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN(REFERENCE TO 310W FRONT)**

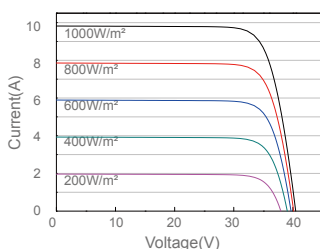
Backside Power Gain	5%	10%	15%	20%	25%
Rated Max Power(Pmax) [W]	326	341	357	372	388
Open Circuit Voltage(Voc) [V]	40.5	40.5	40.5	40.6	40.6
Max Power Voltage(Vmp) [V]	34.16	34.16	34.16	34.26	34.26
Short Circuit Current(Isc) [A]	10.31	10.80	11.29	11.78	12.28
Max Power Current(Imp) [A]	9.53	9.99	10.44	10.90	11.35

**OPERATING CONDITIONS**

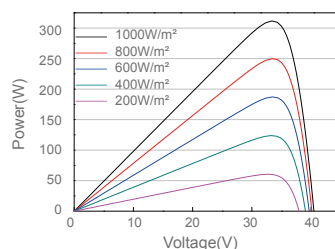
Maximum System Voltage	1500V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front	2400Pa
Maximum Static Load, Back	2400Pa
NOCT	45±2°C
Bifaciality*	70%±5%

**CHARACTERISTICS**

Current-Voltage Curve JST310M



Power-Voltage Curve JST310M



Current-Voltage Curve JST310M

