Mono

320W PERC Module

-320/PR Series

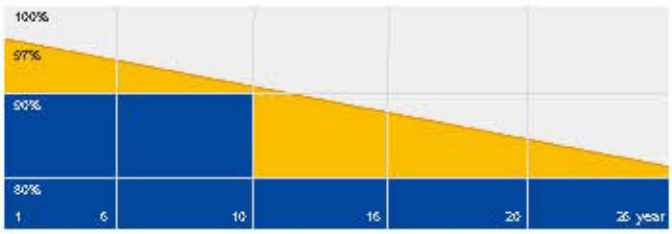
Introduction

Powered by high-efficiency PERCIUM cells, this series of high-performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small.

- 5BB — 5 busbar solar cell design
- Higher output power
- Excellent low-light performance
- Lower temperature coefficient

Superior Warranty

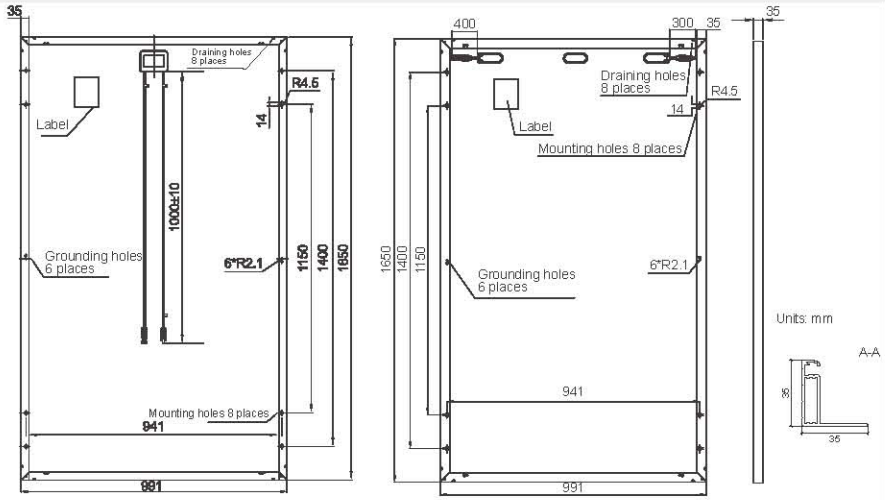
- 12-year product warranty
- 25-year linear power output warranty



Comprehensive Certificates

- IEC 61215, IEC 61730, UL 1703, 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



Integrated junction box

Split junction box

Remark: customized frame color and cable length available upon request

SPECIFICATIONS

Cell	Mono
Weight	18.2kg±3%
Dimensions	1650mm×991mm×35mm
Cable Cross Section Size	4mm²
No. of cells	60(6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible(1000V) QC 4.10-35(1500V)
Packaging Configuration	30 Per Pallet

ELECTRICAL PARAMETERS AT STC

TYPE	-300/PR	-305/PR	-310/PR	-315/PR	-320/PR
Rated Maximum Power(Pmax) [W]	300	305	310	315	320
Open Circuit Voltage(Voc) [V]	39.85	40.05	40.30	40.53	40.80
Maximum Power Voltage(Vmp) [V]	32.26	32.57	32.84	33.16	33.48
Short Circuit Current(Isc) [A]	9.75	9.85	9.91	9.98	10.05
Maximum Power Current(Imp) [A]	9.30	9.37	9.44	9.50	9.56
Module Efficiency [%]	18.3	18.7	19.0	19.3	19.6
Power Tolerance	0~+5W				
Temperature Coefficient of Isc(α_Isc)	+0.060%/°C				
Temperature Coefficient of Voc(β_Voc)	-0.300%/°C				
Temperature Coefficient of Pmax(γ_Pmp)	-0.380%/°C				
STC	Irradiance 1000W/m², 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

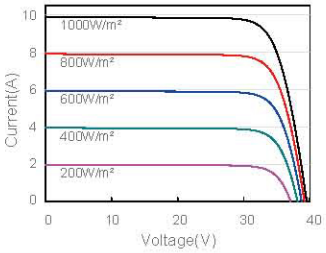
TYPE	-300/PR	-305/PR	-310/PR	-315/PR	-320/PR
Rated Max Power(Pmax) [W]	221	224	228	232	235
Open Circuit Voltage(Voc) [V]	36.75	36.95	37.15	37.36	37.61
Max Power Voltage(Vmp) [V]	29.69	29.90	30.18	30.42	30.70
Short Circuit Current(Isc) [A]	7.78	7.86	7.93	7.99	8.05
Max Power Current(Imp) [A]	7.43	7.50	7.55	7.61	7.66
NOCT	Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G				

OPERATING CONDITIONS

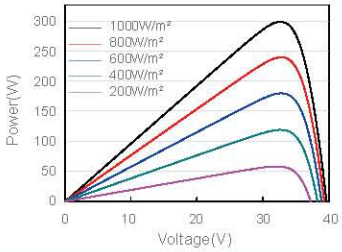
Maximum System Voltage	1000V/1500V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load,Front	5400Pa
Maximum Static Load,Back	2400Pa
NOCT	45±2°C
Application Class	Class A

CHARACTERISTICS

Current-Voltage Curve 300/PR



Power-Voltage Curve 300/PR



Current-Voltage Curve 300/PR