

JA SOLAR

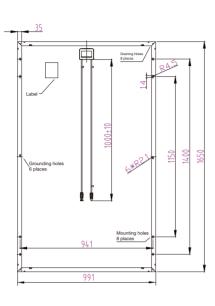


285-305 1000V Black Module Series

305W Mono Si 60Cells

MECHANICAL DIAGRAMS







SPECIFICATIONS

Cell	Mono 156.75x156.75mm
Weight	18.2kg±3%
Dimensions	1650×991×35mm
Cable Cross Section Size	4mm²
No. of cells	60 (6×10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	30 Per Pallet

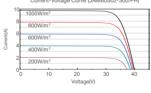
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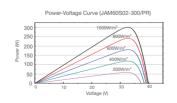
Maximum System Voltage	1000V DC (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Maximum Static Load, Front Maximum Static Load, Back	5400Pa 2400Pa
NOCT	45±2℃
Application Class	Class A

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60S02 -285/PR	JAM60S02 -290/PR	JAM60S02 -295/PR	JAM60S02 -300/PR	JAM60S02 -305/PR
Rated Maximum Power (Pmax) [W]	285	290	295	300	305
Open Circuit Voltage (Voc) [V]	39.25	39.46	39.64	39.85	40.05
Maximum Power Voltage (Vmp) [V]	31.70	31.80	32.03	32.26	32.57
Short Circuit Current (Isc) [A]	9.46	9.57	9.66	9.75	9.85
Maximum Power Current (Imp) [A]	8.99	9.12	9.21	9.30	9.37
Module Efficiency [%]	17.43	17.74	18.04	18.35	18.65
Power Tolerance			-0~+5W		
Temperature Coefficient of Isc (α_Isc	>)		+0.060%/°C	;	
Temperature Coefficient of Voc (β_V	oc)		-0.300%/°C		
Temperature Coefficient of Pmax (γ_	Pmp)		-0.390%/°C		
STC Irradiance 1000W/m²,cell temperature 25 °C , AM 1.5G				.5G	

CHARACTERISTICS



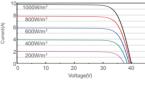


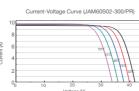
		Current-Voltage Curve (JAM60S02-300/PR)
	10	
	8	
Current (A)	6	704
Curre	4	557
	2	
	0	10 20 30 40
		Voltage (V)

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ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM60S02 -285/PR	JAM60S02 -290/PR	JAM60S02 -295/PR	JAM60S02 -300/PR	JAM60S02 -280/PR
Max Power (Pmax) [W]	209	213	217	221	224
Open Circuit Voltage (Voc) [\	/] 36.11	36.34	36.57	36.75	36.95
Max Power Voltage (Vmp) [V] 29.37	29.56	29.63	29.69	29.90
Short Circuit Current (Isc) [A]	7.53	7.61	7.69	7.78	7.86
Max Power Current (Imp) [A]	7.13	7.21	7.32	7.43	7.50
NOCT		Irradiance 800 W/m², ambient temperature 20°C,			





www.jasolar.com

Percium

Harvest the Sunshine

Premium Cells, Premium Modules

wind speed 1 m/s, AM 1.5G

Percium Cell

- The mono cell technology with passivated backside and local BSF
- >21% average mass production efficiency

More Power Per m²

Higher conversion efficiency - more power production per unit area

Lower System Cost

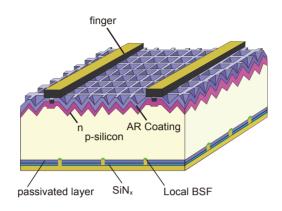
Higher conversion efficiency help you save

- Transportation cost
- Installation cost
- BOS cost

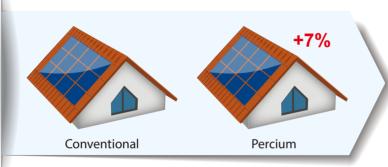
Excellent Low-light Performance

Enhanced spectral response at longer wavelength boosts low-light performance, which can produce more than 3% additional power compared with conventional module at system side.

Average Mass Production Efficiency >21%



Benefit: 7% More Power



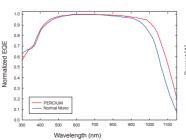
Percium module 300Wp VS Conventional module 280Wp

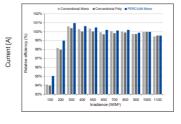
Benefit: Save System Costs Per Watt



Cost saving estimation made by comparison between 280W and 300W modules

Benefit:Excellent Low-light Performance





EQE—External quantum efficiency Relative module efficency comparison under different irradiance

High Reliability

- Long-term reliability tests
- Harsh climate environment endurance tests
- PID-resistance tests in accordance to IEC62804
- Certified by TÜV SÜD and ETL
- Industry-leading cell technology
- High quality components from best suppliers
- · Manufacturing inspected and certified by PI-Berlin and Solar-IF
- 100% in-house automatic manufacturing













Other Features



Positive power tolerance: 0~+5W



Modules binned by current to improve system performance



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and heavy snow loads (5400Pa)

Comprehensive Certificates

- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001: 2008: Quality management systems
- ISO 14001: 2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management systems
- Environmental policy: The first solar company in China to complete Intertek's carbon footprint evaluation program and receive green leaf mark verification for our products













Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation

JA Solar Holdings Co., Ltd.

JA Solar Holdings Co., Ltd is a world leading manufacturer of high-performance solar power products that convert sunlight into electricity for residential, commercial and utility-scale power generation. The company was founded in May 2005 and publicly listed on NASDAQ in February 2007. JA Solar has been the world's leading cell producer since 2010, and has firmly established itself as a tier 1 module supplier since 2012. Capitalizing on our strength in solar cell technology, we are committed to provide modules with unparalleled conversion efficiency. vield efficiency, and reliability to enable you to maximize your returns on PV projects. With its financial status JA Solar is your best choice of long-term trustworthy partner.

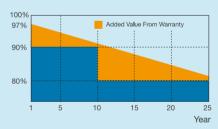
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Email: sales@jasolar.com market@jasolar.com

Product Warranty

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



Additional Insurance Options





Partner Section