

POLY

ZJP

250W/245W/240W/235W/230W

power U

CSE SOLAR

Power of the Future



High module conversion efficiency through superior manufacturing technology



Excellent performance under low light conditions (cloudy days, mornings and evenings)



Guarantee positive power tolerance



Module can bear snow loads up to 5400Pa and wind loads up to 3800Pa



Manufacturing facility certified by ISO 9001:2008, ISO 14001:2004



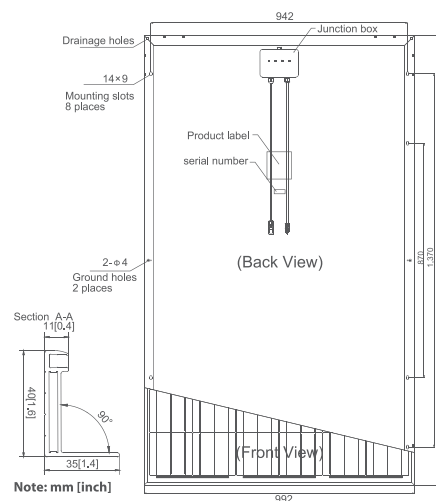
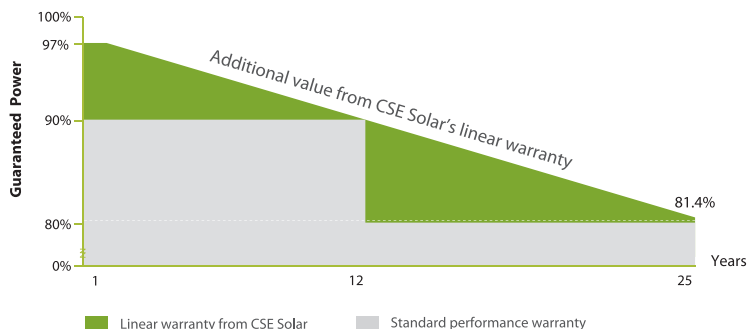
24-hour response service



Dimensions of Module

Industry-leading Linear Warranty

12 year product warranty | 25 year linear power warranty



ZJP 250W/245W/240W/235W/230W

info.poweru@gmail.com www.poweru.com.au

Electrical Characteristics	ZJP250W	ZJP245W	ZJP240W	ZJP235W	ZJP230W
Peak Power Watts-PMAX (Wp)	250	245	240	235	230
Power Output Tolerance-PMAX (%)	+5	+3	+3	+5	+3
Module Efficiency- η_m (%)	15.3	15.0	14.7	14.4	14.0
Maximum Power Voltage-Vmp (V)	30.2	30.3	30.2	30.0	30.0
Maximum Power Current-Imp (A)	8.29	8.09	7.96	7.83	7.66
Open Circuit Voltage-Voc (V)	37.3	37.2	37.1	37.2	36.9
Short Circuit Current-Isc (A)	8.84	8.66	8.53	8.46	8.27
Operating Temperature Range (°C)	-40~+85				
Maximum System Voltage (V)	1000V DC (IEC) / 600V DC (UL)				
Maximum Series Fuse Rating (A)	20	20	20	10	10

Values at Standard Test Conditions (STC):1000W/m² Irradiance, AM 1.5, Solar spectrum and 25 °C module temperature.

NOCT	ZJP250W	ZJP245W	ZJP240W	ZJP235W	ZJP230W
Peak Power Watts-PMAX (Wp)	176	172	168	163	158
Maximum Power Voltage-Vmp (V)	26.8	26.7	26.6	26.5	26.4
Maximum Power Current-Imp (A)	6.57	6.43	6.30	6.15	6.00
Open Circuit Voltage-Voc (V)	34.5	34.4	34.3	34.2	34.1
Short Circuit Current-Isc (A)	7.26	7.15	7.02	6.89	6.76

NOCT: open circuit module operation temperature at 800W/m² irradiance, 20 °C ambient temperature, 1m/s wind speed.

Mechanical Data

Solar Cells	Polycrystalline 156*156 mm (6 inches)
Cells Orientation	60 cells (6*10)
Module Dimension	1640*992*40 mm (64.56*39.06*1.57 inches)
Weight	19kg (41.89 lbs)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP 65 rated
Cable / Connector	Solar cable: 4.0mm ² (0.006 inches ²), 900mm (35.4 inches), MC4

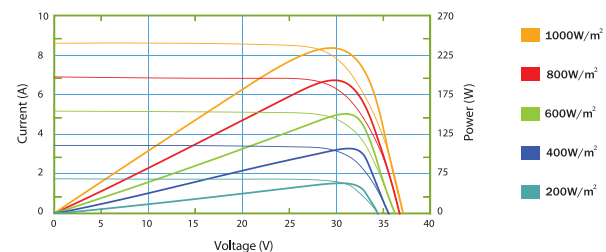
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	(45±2) °C
Temperature Coefficient of PMAX	(-0.47±0.05) %/ °C
Temperature Coefficient of Voc	(-0.34) %/ °C
Temperature Coefficient of Isc	(0.45±0.01) %/ °C

Packing Configuration

Container	20' GP	40' GP	40' HQ
Pieces per Pallet	46	46	56
Pallets per Container	6	14	14
Pieces per Container	276	644	784

Current-Voltage & Power-Voltage Curve



Caution: Read the instruction manual entirely before using the product.
Specifications are subject to change without further notice.

Copyright © 2013 Power U all rights reserved.

SolarRiver 3300TL / 4400TL / 5200TL
(Single phase)

Features:

Leading-edge Technology

- Transformerless H6 Topology
- Wide MPP voltage range
- Compact design
- Small size and lightweight

Flexibility

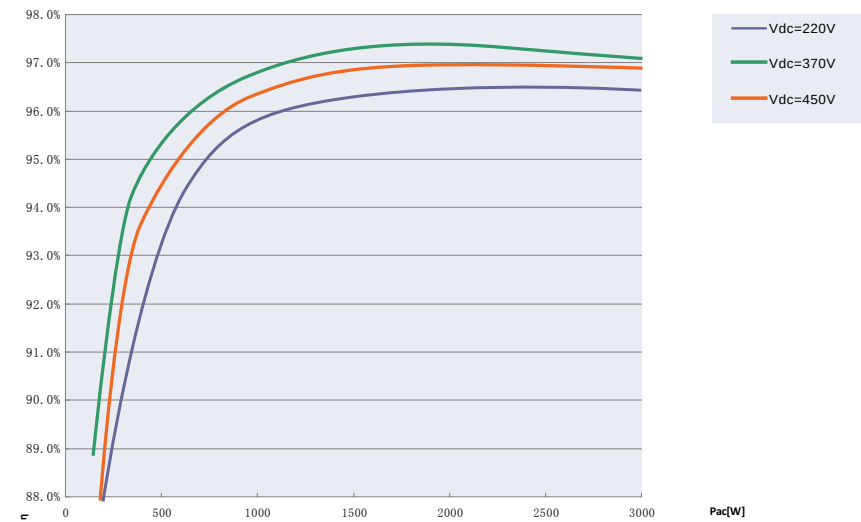
- Use for indoor or outdoor (IP65)
- “Plug and play” connection for easy installation and maintenance
- Multi-lingual display
- Simple national setting
- Automatic country configuration

Built to last

- Stainless steel housing
- Automatic protection including over voltage, islanding, short circuit, overload and under voltage, under load, etc.
- 5 years standard warranty, up to 20 years warranty extension.



SolarRiver 3300TL Efficiency



Datasheet

Inverter Model	SolarRiver 3300TL	SolarRiver 4400TL	SolarRiver 5200TL
Input (DC)			
Max. DC power [W]	3480	4580	5200
Max. DC voltage [V]	550	550	550
Max. input current [A]	17.5	21	26
Number of MPP trackers / Strings per MPP tracker	1 / 2	1 / 2	1 / 2
MPPT voltage range (at rated power) [V]	200~500	200~500	200~500
Shutdown voltage /Start voltage [V]	70 / 100	70 / 100	70 / 100
Output (AC)			
AC nominal power [W]	3000	4000	4600
Max. AC power [W]	3300	4400	5000
Max. AC current [A]	16	22	24
Nominal AC voltage / range [V]	230 / 180~270	230 / 180~270	230 / 180~270
AC grid frequency / range [Hz]	50 / 47~52	50 / 47~52	50 / 47~52
Power factor (cosφ)	1	1	1
Total harmonic distortion (THDi) (at nominal power)	<3%	<3%	<3%
Efficiency			
Max. efficiency	97.4%	97.6%	97.6%
Euro efficiency	96.5%	97.1%	96.8%
MPPT efficiency	99.9%	99.9%	99.9%
General data			
Dimensions (W / H / D) [mm]	329 / 433 / 180	329 / 433 / 180	329 / 433 / 180
Weight [kg]	18.9	19.2	19.4
Operating temperature range [°C]	-20~+60 (derating at 45 °C)	-20~+60 (derating at 45 °C)	-20~+60 (derating at 45 °C)
Ingress protection	IP65	IP65	IP65
Topology	transformerless	transformerless	transformerless
Internal consumption (night) [W]	0	0	0
Cooling concept	Convection	Fan	Fan
Noise (typical) [dB]	<30	<40	<40
LCD display	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD
Communication port	RS485 / RS232	RS485 / RS232	RS485 / RS232
Standard warranty [year]	5	5	5
Inverter Model	SolarRiver 3300TL	SolarRiver 4400TL	SolarRiver 5200TL