

Features



Wind and Snow Test

Module certified to withstand extreme wind (3800 Pa) and snow load (5400 Pa)



Product Insurance

Additional insurance provided by CHUBB



Superior Junction Box

IP67 Junction boxes give you superior protection in all environment.



Superior Quality Standard

Double In-line EL inspection ensuring no micro-cracks and mismatch on cells



Superior Resistance

Ammonia Endurance Test (IEC61215) and Salt Mist Test (IEC61710) verified the excellent performance of each panel in harsh or unusual environments

Certification



Aesthetic Black Frame (Optional)

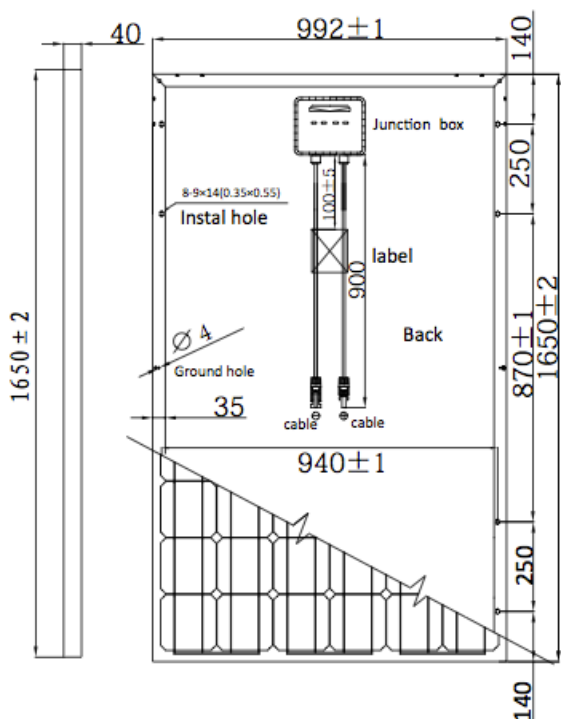


Super-premium and super-appealing black aluminum frame is available. Modules can be beautifully framed and fit perfectly into your roof and building environment.

iMicro-inverter (Optional)



CSE solar iMicro-inverter are the ideal solution for solving various kinds for shading issues in solar modules. Thanks to CSE Solar iMicro-inverter, each solar module now can be inverted independently, thus boosting overall system performance.



Electrical characteristic at STC*

Optimum operating voltage (Vmp)	30.0 V
Optimum operating current (Imp)	7.56 A
Open circuit voltage (Voc)	32.3 V
Short circuit current (Isc)	8.32 A
Maximum power (Pmp)	225 W
Module efficiency	14.8%
Maximum system voltage	1000Vdc
Tolerance	±3%

*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

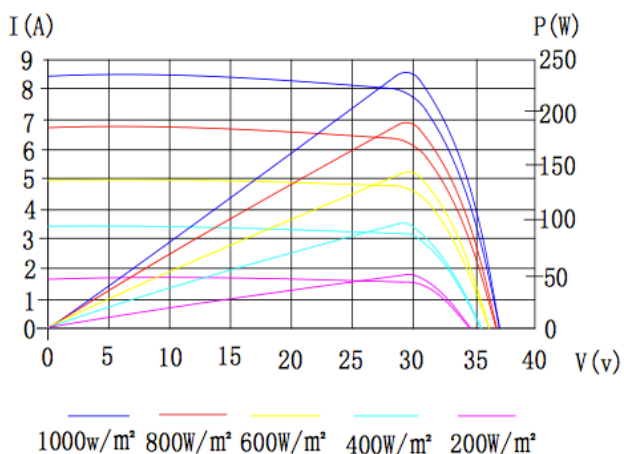
Mechanical Characteristics

Module dimension	1650 x 992 x 45 mm (65 x 39 x 1.76 in)
Cell Configuration	60 Polycrystalline cells 156 x 156mm
Weight	19.5kg (43.0 lbs)
Front cover	3.2 (0.13 in) tempered and textured glass
Frame	Silver anodized aluminum
Junction box	IP67W/6 bypass diodes
Cables	2 cables of 1m W/tyco connectors

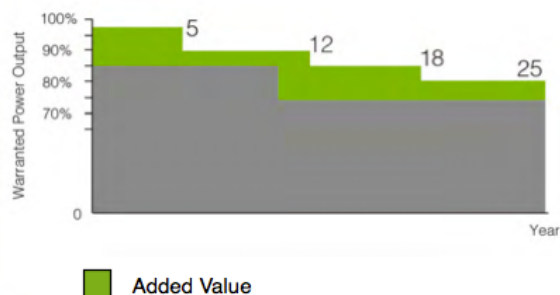
Temperature Characteristics

NOCT	45±2 °C
Power, Pmax	-0.442%/°C
Open circuit voltage, Voc	-0.312%/°C
Short circuit current, Isc	

I-V Curve and Power-Voltage curve



Warranty



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

Features:

Leading-edge Technology

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

Flexibility

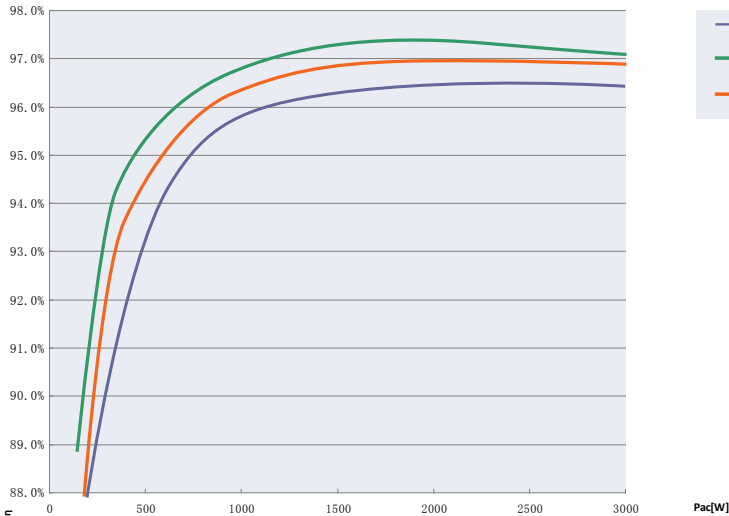
- Use for indoor or outdoor (IP65)
- “Plug and play” connection for easy installation and maintenance
- Multi-lingual display
- Simple national setting
- Automatic country configuration

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