

# SolarRiver Series



SolarRiver series PV grid-tied string inverters are specifically designed for PV power generation. The range comprises 7 power levels from 1kW to 5kW providing optimum flexibility to match the broadest range of PV module installations (for higher power series see SolarLake and SolarOcean). SolarRiver series string inverters are excellent value and built to last with a modern sleek design. All products comply fully with International standards including ISO, CE, CGC/Golden Sun, TUV,VDE , RD1663, AS4777,G83/1-1,DK5940,C10/C11.

- MODEL SolarRiver 1100TL
- MODEL SolarRiver 1700TL
- MODEL SolarRiver 2300TL
- MODEL SolarRiver 3000TL
- MODEL SolarRiver 3300TL
- MODEL SolarRiver 4400TL
- MODEL SolarRiver 5200TL



## ■ Features

### State of the art technology

High efficiency - 97.6%

Wide MPP voltage range

Transformless - minimising size and weight

### Flexibility

Use indoors or outside (IP 65)

“Plug and play” connection for ease of install/maintenance

Multi lingual display

### Built to last

Stainless steel housing

Automatic protection including overvoltage, islanding, short circuit, overload

5 years warranty

## Adapt To Any Weather



English

# Technical Data

# SolarRiver Series 1-5KW

Inverter Model	SolarRiver 1100TL	SolarRiver 1700TL	SolarRiver 2300TL	SolarRiver 3000TL	SolarRiver 3300TL	SolarRiver 4400TL	SolarRiver 5200TL
<b>Input (DC)</b>							
Max. DC power [W]	1100	1700	2300	3000	3480	4580	5200
Max. DC voltage [V]	550	550	550	550	550	550	550
Max. input current [A]	9	9	11	13.5	17.5	22	26
Number of MPP trackers / Strings per MPP tracker	1 / 1	1 / 1	1 / 1	1 / 1	1 / 2	1 / 2	1 / 2
MPPT voltage range (at rated power) [V]	120~500	180~500	200~500	210~500	200~500	200~500	200~500
Shutdown voltage / Start voltage [V]	70 / 100	70 / 100	70 / 100	70 / 100	70 / 100	70 / 100	70 / 100
<b>Output (AC)</b>							
AC nominal power [W]	1000	1500	2000	2600	3000	4000	4600
Max. AC power [W]	1000	1650	2200	2800	3300	4400	5000
Max. AC current [A]	6	8.6	11	13.8	16	22	24
Nominal AC voltage / range [V]	230 / 180~270	230 / 180~270	230 / 180~270	230 / 180~270	230 / 180~270	230 / 180~270	230 / 180~270
AC grid frequency / range [Hz]	50 / 47~52	50 / 47~52	50 / 47~52	50 / 47~52	50 / 47~52	50 / 47~52	50 / 47~52
Power factor (cosφ)	1	1	1	1	1	1	1
Total harmonic distortion (THD)(at nominal power)	<3%	<3%	<3%	<3%	<3%	<3%	<3%
<b>Efficiency</b>							
Max. efficiency	96.6%	96.8%	96.8%	97.0%	97.4%	97.6%	97.6%
Euro efficiency	95%	95.8%	96.2%	96.3%	96.5%	97.1%	96.8%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>General data</b>							
Dimensions (W / H / D) [mm]	332 / 450 / 161	332 / 450 / 161	332 / 450 / 161	332 / 450 / 161	329 / 433 / 180	329 / 433 / 180	329 / 433 / 180
Weight [kg]	17.1	17.1	17.5	17.9	18.9	19.2	19.4
Operating temperature range [°C]	-20~+60 (derating at 55 °C)	-20~+60 (derating at 45 °C)	-20~+60 (derating at 45 °C)	-20~+60 (derating at 45 °C)	-20~+60 (derating at 45 °C)	-20~+60 (derating at 45 °C)	-20~+60 (derating at 45 °C)
Ingress protection	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Topology	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless	transformerless
Internal consumption(night) [W]	0	0	0	0	0	0	0
Cooling concept	Convection	Convection	Convection	Convection	Convection	Fan	Fan
Noise (typical) [dB]	<28	<30	<30	<30	<30	<40	<40
LCD display	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD	Backlight, 16*2 Character LCD
Communication port	RS485 / RS232	RS485 / RS232	RS485 / RS232	RS485 / RS232	RS485 / RS232	RS485 / RS232	RS485 / RS232
Standard warranty [year]	5	5	5	5	5	5	5
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