

# 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
Inverter Model	SolarRiver 1100TL	SolarRiver 1700TL	SolarRiver 2300TL	SolarRiver 3000TL	SolarRiver 3300TL	SolarRiver 4400TL	SolarRiver 5200TL