

SolarRiver 1100TL / 1600TL / 1700TL / 2300TL / 3000TL (Single phase)

Features:

Leading-edge Technology

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

Flexibility

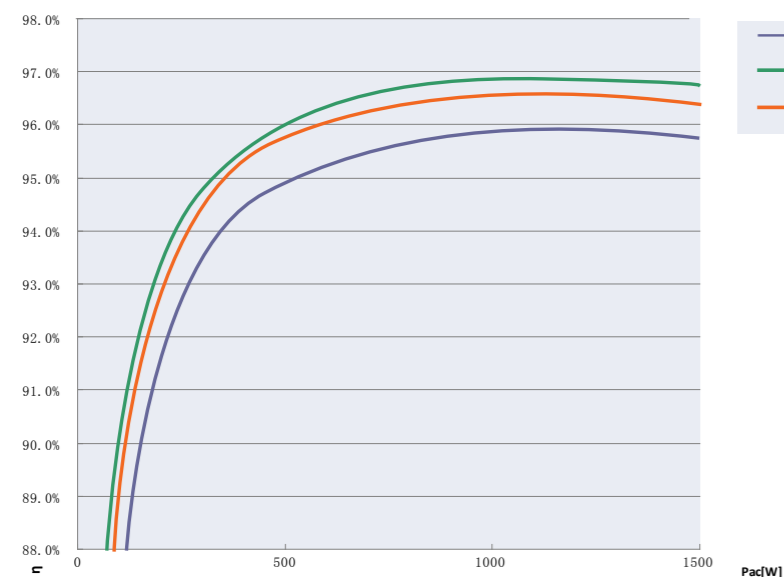
- Use for indoor or outdoor (IP65)
- "Plug and play" connection for easy installation and maintenance
- Multi-lingual display
- Simple national setting
- Automatic country configuration

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 1700TL Efficiency



Datasheet

Inverter Model	SolarRiver 1100TL	SolarRiver 1600TL	SolarRiver 1700TL	SolarRiver 2300TL	SolarRiver 3000TL
Input (DC)					
Max. DC power [W]	1100	1600	1700	2300	3000
Max. DC voltage [V]	500	500	550	550	550
Max. input current [A]	8.8	9.7	9	11	13.5
Number of MPP trackers / Strings per MPP tracker	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
MPPT voltage range (at rated power) [V]	120~425	160~425	180~500	200~500	210~500
Shutdown voltage / Start voltage [V]	70 / 100	70 / 100	70 / 100	70 / 100	70 / 100
Output (AC)					
AC nominal power [W]	1000	1500	1500	2000	2600
Max. AC power [W]	1000	1500	1650	2200	2800
Max. AC current [A]	5.5	8.3	8.6	11	13.8
Nominal AC voltage / range [V]	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
Power factor (cosφ)	1	1	1	1	1
Total harmonic distortion (THDi) (at nominal power)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. efficiency	96.6%	96.8%	96.8%	96.8%	97.0%
Euro efficiency	95.5%	96.0%	95.8%	96.2%	96.3%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%
General data					
Dimensions (W / H / D) [mm]	285 / 385 / 145	285 / 385 / 145	332 / 450 / 161	332 / 450 / 161	332 / 450 / 161
Weight [kg]	15	15	17.1	17.5	17.9
Operating temperature range [°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
Topology	transformerless	transformerless	transformerless	transformerless	transformerless
Internal consumption (night) [W]	0	0	0	0	0
Cooling concept	Convection	Convection	Convection	Convection	Convection
Noise (typical) [dB]	<28	<28	<30	<30	<30
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
Communication port	RS232	RS232	RS485 / RS232	RS485 / RS232	RS485 / RS232
Standard warranty [year]	5	5	5	5	5
Inverter Model	SolarRiver 1100TL	SolarRiver 1600TL	SolarRiver 1700TL	SolarRiver 2300TL	SolarRiver 3000TL