

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

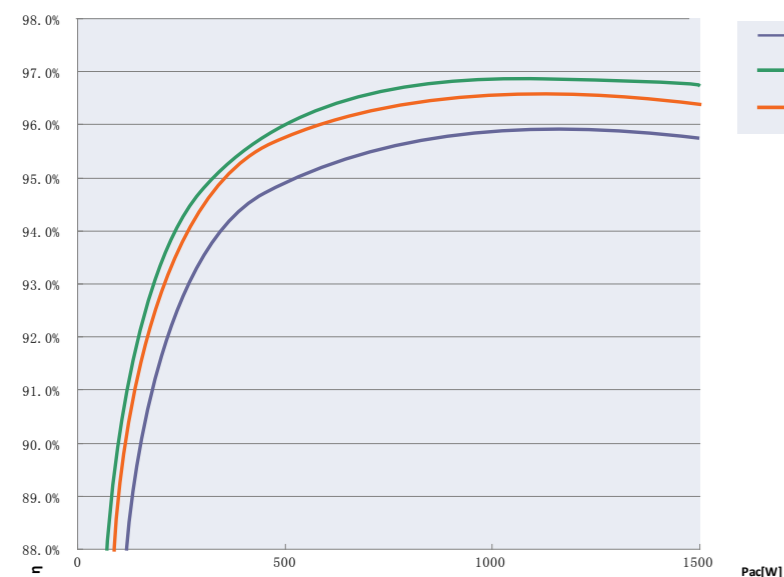
- Use for indoor or outdoor (IP65)
- "Plug and play" connection for easy installation and maintenance
- Multi-lingual display
- Simple national setting
- Automatic country configuration

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 |