



SolarRiver 1100 / 1600 / 2300 / 3000 / 3300 / 4400 / 5200TL

SIMPLE. FLEXIBLE.

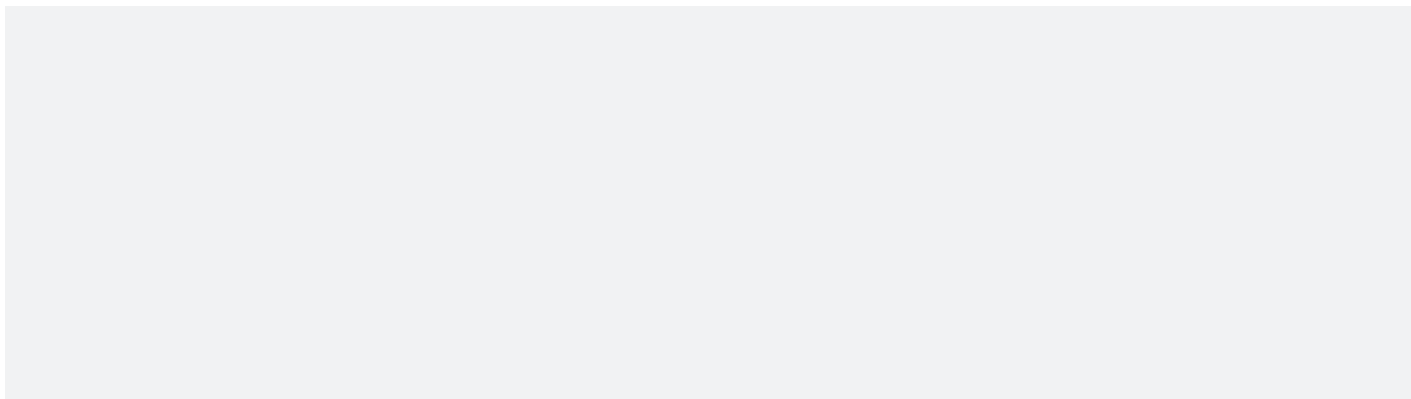
- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection

OPEN. INTERACTIVE.

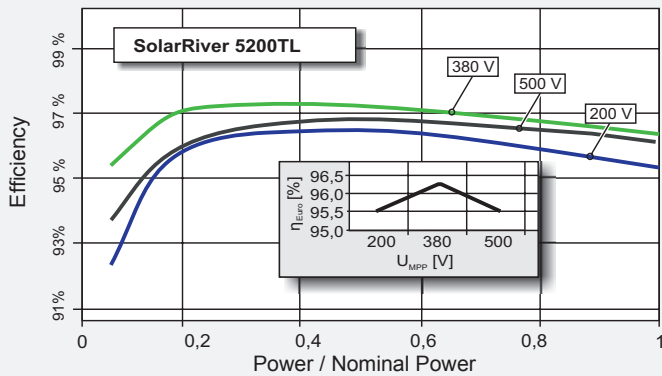
- Interface selection – Wi-Fi* and RS485 for more flexible configuration and system monitoring
- Multi-lingual 2-line LCD display

SECURE. EFFICIENT.

- Highest earnings through max. efficiency of 97.6 %
- Free access to the Samil Power monitoring portal
- 10 year standard guarantee



| | SolarRiver 1100TL | SolarRiver 1600TL | SolarRiver 2300TL | SolarRiver 3000TL |
|--|---|-----------------------|-----------------------|----------------------|
| Input (DC) | | | | |
| Max. DC power (@cosφ=1) | 1100 W | 1600 W | 2300 W | 3000 W |
| Max. input voltage | 550 V | | | |
| MPP voltage range / rated input voltage | 120 V - 500 V / 380 V | 160 V - 500 V / 380 V | 200 V - 500 V / 380 V | |
| Min. input voltage / initial input voltage | 100 V / 120 V | | 100 V / 150 V | |
| Max. input current input A / input B | 8.8 A / - | 9.7 A / - | 11 A / - | 13.5 A / - |
| Max. input current per string input A / input B | 8.8 A / - | 9.7 A / - | 11 A / - | 13.5 A / - |
| Number of independent MPP inputs / strings per MPP input | 1 / 1 | | | |
| Output (AC) | | | | |
| Rated power (@ 230 V / 50 Hz) | 1000 W | 1500 W | 2000 W | 2600 W |
| Max. apparent AC power | 1000 VA | 1500 VA | 2200 VA | 2800 VA |
| Nominal AC voltage / range | 230 V / 180 V - 270 V | | | |
| AC frequency / range | 50 Hz, 60 Hz / 44 Hz - 55 Hz, 54 Hz - 65 Hz | | | |
| Rated grid voltage / rated grid frequency | 230 V / 50 Hz | | | |
| Max. output current | 5.5 A | 8.3 A | 11 A | 13.8 A |
| Power factor at rated power | 1 | | | |
| Displacement power factor, adjustable | - | | | |
| Feed-in phases / connection phases | 1 / 1 | | | |
| Efficiency | | | | |
| Max. Efficiency / European weighted efficiency | 96.6 % / 95.5 % | 96.8 % / 96.0 % | 96.8 % / 96.2 % | 97 % / 96.3 % |
| Protective devices | | | | |
| DC disconnect device / AC disconnect device | - / - | | | |
| Ground fault monitoring / grid monitoring | • / • | | | |
| DC reverse polarity protection / AC short-circuit current capability | • / • | | | |
| Galvanic isolation | - | | | |
| All-pole-sensitive residual-current monitoring | • | | | |
| Protection class (according to IEC 62103) / Overvoltage category (according to IEC 60664-1) | I / II (DC), III (AC) | | | |
| General data | | | | |
| Dimensions (W / H / D) | 285 / 385 / 145 mm | | 332 / 450 / 161 mm | |
| Weight | 15 kg | | 18 kg | |
| Operating temperature range | -25 °C ... +60 °C | | | |
| Noise emission (typical) | < 28 dB | | < 30 dB | |
| Self-consumption (night) | 0 W | | | |
| Topology | Transformerless | | | |
| Cooling concept | Convection | | | |
| Degree of protection (according to IEC 60529) | IP65 | | | |
| Maximum humidity (non-condensing) | 95 % | | | |
| Features | | | | |
| DC connection / AC connection | Multi-Contact MC4, Amphenol MC4 / AC-plug | | | |
| Display | 2-line LCD | | | |
| Interface: RS485 / Wi-Fi / Ethernet | • / ○ / - | | | |
| Multi-function relay / digital input | - / - | | | |
| Guarantee: 10 / 15 / 20 / 25 years | • / ○ / ○ / ○ | | | |
| Certificates and approvals (additional on request) | CE, TUV, VDE 0126-1-1, RD 1699, G83/2, EN 50178, EN 61000-3-2/3, EN 61000-6-1/2/3/4, IEC 62109-1/2, VDE AR-N4105, AS 4777.2/3, AS 3100:2009, C10/11, EN 50438, UTE C15-712-1, IEC 62116, IEC 61727 | | | |



| | SolarRiver 3300TL | SolarRiver 4400TL | SolarRiver 5200TL |
|---|---|-------------------|-------------------|
| Input (DC) | | | |
| Max. DC power (@cosφ=1) | 3480 W | 4580 W | 5200 W |
| Max. input voltage | 550 V | | |
| MPP voltage range / rated input voltage | 200 V - 500 V / 380 V | | |
| Min. input voltage / initial input voltage | 100 V / 150 V | | |
| Max. input current input A / input B | 17.5 A / - | 21 A / - | 26 A / - |
| Max. input current per string input A / input B | 17.5 A / - | 21 A / - | 26 A / - |
| Number of independent MPP inputs / strings per MPP input | 1 / 2 | | |
| Output (AC) | | | |
| Rated power (@ 230 V / 50 Hz) | 3000 W | 4000 W | 4600 W |
| Max. apparent AC power | 3300VA | 4400VA | 5000VA |
| Nominal AC voltage / range | 230 V / 180 V - 270 V | | |
| AC frequency / range | 50 Hz, 60 Hz / 44 Hz - 55 Hz, 54 Hz - 65 Hz | | |
| Rated grid voltage / rated grid frequency | 230 V / 50 Hz | | |
| Max. output current | 16 A | 22 A | 24 A |
| Power factor at rated power | 1 | | |
| Displacement power factor, adjustable | - | | |
| Feed-in phases / connection phases | 1 / 1 | | |
| Efficiency | | | |
| Max. Efficiency / European weighted efficiency | 97.4 % / 96.5 % | 97.6 % / 97.1 % | 97.6 % / 96.8 % |
| Protective devices | | | |
| DC disconnect device / AC disconnect device | - / - | | |
| Ground fault monitoring / grid monitoring | ● / ● | | |
| DC reverse polarity protection / AC short-circuit current capability | ● / ● | | |
| Galvanic isolation | - | | |
| All-pole-sensitive residual-current monitoring | ● | | |
| Protection class (according to IEC 62103) / Overvoltage category (according to IEC 60664-1) | I / II (DC), III (AC) | | |
| General data | | | |
| Dimensions (W / H / D) | 329 / 433 / 180 mm | | |
| Weight | 20 kg | | |
| Operating temperature range | -20 °C ... +60 °C | | |
| Noise emission (typical) | < 30 dB | < 30 dB | < 40 dB |
| Self-consumption (night) | 0 W | | |
| Topology | Transformerless | | |
| Cooling concept | Fan | | |
| Degree of protection (according to IEC 60529) | IP65 | | |
| Maximum humidity (non-condensing) | 95 % | | |
| Features | | | |
| DC connection / AC connection | Multi-Contact MC4, Amphenol MC4 / AC-plug | | |
| Display | 2-line LCD | | |
| Interface: RS485 / Wi-Fi / Ethernet | ● / - / - | | |
| Multi-function relay / digital input | - / - | | |
| Guarantee: 10 / 15 / 20 / 25 years | ● / ○ / ○ / ○ | | |
| Certificates and approvals (additional on request) | CE, TUV, VDE 0126-1-1, RD 1699, G83/2, EN 50178, EN 61000-3-2/3, EN 61000-6-1/2/3/4, IEC 62109-1/2, AS 4777.2/3, AS 3100:2009, C10/11, G59/2, EN 50438, UTE C15-712-1, IEC 62116, IEC 61727 | | |



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