



## SolarRiver Series

1100 / 1600 / 2300 / 3000 / 3300 / 3680 / 4400 / 5200TL

### **SIMPLE. FLEXIBLE.**

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

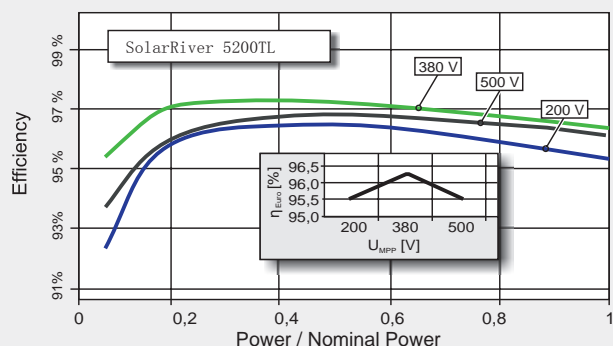
### **OPEN. CONVERSATIONAL.**

- 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 up to 97.6%
- Free access to the Samil Power monitoring portal

	SolarRiver 1100TL	SolarRiver 1600TL	SolarRiver 2300TL	SolarRiver 3000TL
<b>Input (DC)</b>				
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			
<b>Output (AC)</b>				
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 power frequency	50 Hz / 60 Hz			
Rated grid voltage / rated power 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			
THDi (at rated power)	< 3%			
<b>Efficiency</b>				
Max. efficiency / European weighted efficiency	96.6% / 95.5%	96.8% / 96.0%	96.8% / 96.2%	97% / 96.3%
<b>Protective devices</b>				
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 unit	●			
Protection class (according to IEC 62103) / overvoltage category (according to IEC 60664-1)	I / II (DC), III (AC)			
<b>General data</b>				
Dimensions (W / H / D)	285 / 385 / 145 mm		332 / 450 / 161 mm	
Weight	11 kg		18 kg	
Operating temperature range	-20°C ... +60°C			
Noise emission (typical)	<28 dB		<30dB	
Self-consumption (night)	0 W			
Topology	Transformerless			
Cooling concept	Convection			
Degree of protection (according to IEC 60529)	IP65			
Maximum permissible value for relative humidity (non-condensing)	95%			
<b>Features</b>				
DC connection / AC connection	MC4, H4, SUNCLIX / Tool-free plug			
Display	2-line LCD			
Interface: RS485 / Wi-Fi / Ethernet	● / ○ / -			
Multi-function relay / digital input	- / -			
Warranty: 5 / 10 / 15 / 20 years	● / ○ / ○ / ○			
Certificates and approvals (additional on request)	CE, TUV, VDE 0126-1-1, RD 1699, G83/2, DK 5940, EN 50178, EN 61000-3-2/3, EN 6100-6-1/2/3/4, IEC 62109-1/2, VDE AR-N4105, CEI 0-21, AS 4777.2/3, AS 3100:2009, C10/11, EN 50438, UTE C15-712-1, IEC 62116, IEC61727			
● Standard features ○ Optional features — Not available				



	SolarRiver 3300TL	SolarRiver 3680TL	SolarRiver 4400TL	SolarRiver 5200TL
<b>Input (DC)</b>				
Max. DC power (@cosφ=1)	3480 W	4000 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 / -	20 A / -	21 A / -	26 A / -
Max. input current per string input A / input B	17.5 A / -	20 A / -	21 A / -	26 A / -
Number of independent MPP inputs / strings per MPP input	1 / 2			
<b>Output (AC)</b>				
Rated power (@ 230 V / 50 Hz)	3000 W	3680 W	4000 W	4600 W
Max. apparent AC power	3300 VA	3680 VA	4400 VA	5000 VA
Nominal AC voltage / range	230 V / 180 V - 270 V			
AC power frequency	50 Hz / 60 Hz			
Rated grid voltage / rated power frequency	230 V / 50 Hz			
Max. output current	16 A	16 A	22 A	24 A
Power factor at rated power	1			
Displacement power factor, adjustable	-			
Feed-in phases / connection phases	1 / 1			
THDi (at rated power)	< 3%			
<b>Efficiency</b>				
Max. efficiency / European weighted efficiency	97.4% / 96.5%	97.6% / 97.1%	97.6% / 97.1%	97.6% / 96.8%
<b>Protective devices</b>				
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 unit	●			
Protection class (according to IEC 62103) / overvoltage category (according to IEC 60664-1)	I / II (DC), III (AC)			
<b>General data</b>				
Dimensions (W / H / D)	329 / 433 / 180 mm			
Weight	19kg			
Operating temperature range	-20°C ... +60°C			
Noise emission (typical)	<30 dB	<40 dB	<40 dB	<40 dB
Self-consumption (night)	0 W			
Topology	Transformerless			
Cooling concept	Convection	Fan		
Degree of protection (according to IEC 60529)	IP65			
Maximum permissible value for relative humidity (non-condensing)	95%			
<b>Features</b>				
DC connection / AC connection	MC4, H4, SUNCLIX / Tool-free plug			
Display	2-line LCD			
Interface: RS485 / Wi-Fi / Ethernet	● / - / -			
Multi-function relay / digital input	- / -			
Warranty: 5 / 10 / 15 / 20 years	● / ○ / ○ / ○			
Certificates and approvals (additional on request)	CE, TUV, VDE 0126-1-1, RD 1699, G83/2, DK 5940, EN 50178, EN 61000-3-2/3, EN 6100-6-1/2/3/4, IEC 62109-1/2, VDE AR-N4105, CEI 0-21, AS 4777.2/3, AS 3100:2009, C10/11, EN 50438, UTE C15-712-1, IEC 62116, IEC61727			
● Standard features ○ Optional features — Not available				



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