



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

SIMPLE. FLEXIBLE.

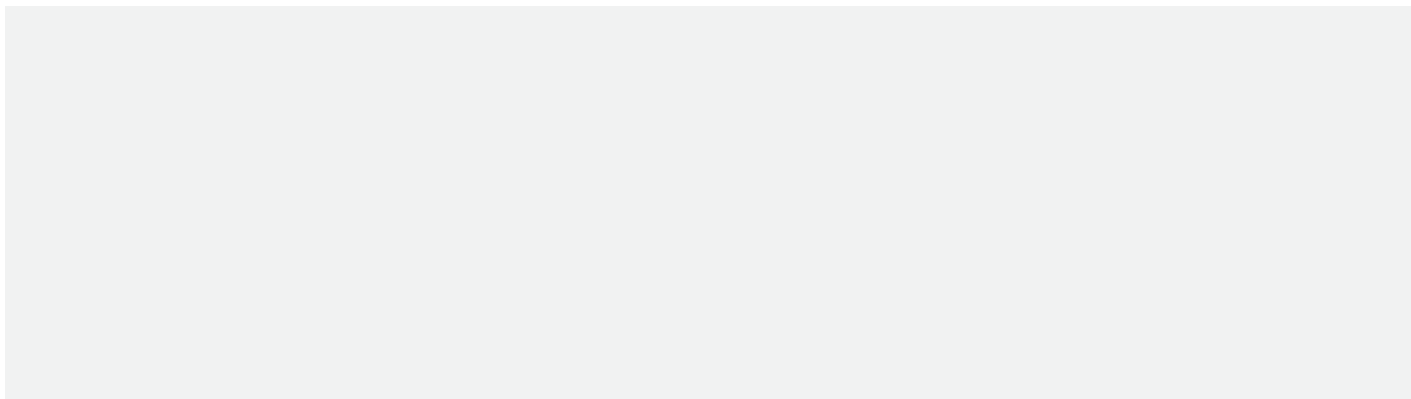
- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection

OPEN. CONVERSATIONAL.

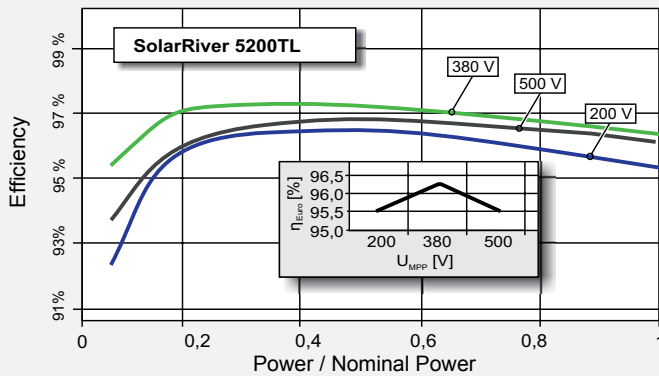
- Interface selection – Wi-Fi* and RS485 for more flexible configuration and system monitoring
- Multi-lingual 2-line LCD display

SECURE. EFFICIENT.

- Highest earnings through max. efficiency 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	230 V / 180 V - 270 V			
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 6100-6-1/2/3/4, 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	230 V / 180 V - 270 V		
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 6100-6-1/2/3/4, 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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