



SolarRiver 1100 / 1600 / 2100 / 2600TL-S

SIMPLE. FLEXIBLE.

- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & Play" connection
- Parameter and country code setting during initial start up

OPEN. INTERACTIVE.

- Interface selection – Wi-Fi and RS485 for more flexible configuration and system monitoring
- Multi-lingual 2-line LCD display
- Digital inputs for the economic connection of a ripple control receiver
- Configurable multi-function relay output

SECURE. EFFICIENT.

- Highest earnings through max. efficiency of 96.8 %
- Safe operation due to integrated DC-switch
- Free access to the Samil Power monitoring portal
- 10 year standard guarantee

	SolarRiver 1100TL-S	SolarRiver 1600TL-S	SolarRiver 2100TL-S	SolarRiver 2600TL-S
Input (DC)				
Max. DC power (@cosφ=1)	1100 W	1600 W	2100 W	2600 W
Max. input voltage	500 V			
MPP voltage range / rated input voltage	100 V - 400 V / 380 V	140 V - 400 V / 380 V	170 V - 400 V / 380 V	185 V - 400 V / 380 V
Min. input voltage / initial input voltage	80 V / 110 V			
Max. input current input A / input B	11 A / -	11.5 A / -	12.5 A / -	14 A / -
Max. input current per string input A / input B	11 A / -	11.5 A / -	12.5 A / -	14 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	2500 W
Max. apparent AC power	1000 VA	1500 VA	2000 VA	2500 W
Nominal AC voltage / range	230 V / 180 V - 277 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	4.5 A	6.8 A	9.1 A	11.4 A
Power factor at rated power	1			
Displacement power factor, adjustable	0.95 leading - 0.95 lagging			
Feed-in phases / connection phases	1 / 1			
Efficiency				
Max. Efficiency / European weighted efficiency	96,6 % / 94,2 %	96,8 % / 95,5 %	97,1 % / 96,1 %	97,0 % / 96,2 %
Protective devices				
DC disconnect device / AC disconnect device	○ / - (EU: ● / -)			
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)	333 / 425 / 147 mm			
Weight	13 kg			
Operating temperature range	-20 °C ... +60 °C			
Noise emission (typical)	< 28 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	1 / 4			
Guarantee: 10 / 15 / 20 / 25 years	● / ○ / ○ / ○			
Certificates and approvals (additional on request)	CE, VDE 0126-1-1, G83/2, CEI 0-21, 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			



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