



SolarRiver-S Series

1100 / 1600 / 2100 / 2600 / 3200TL-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. CONVERSATIONAL.

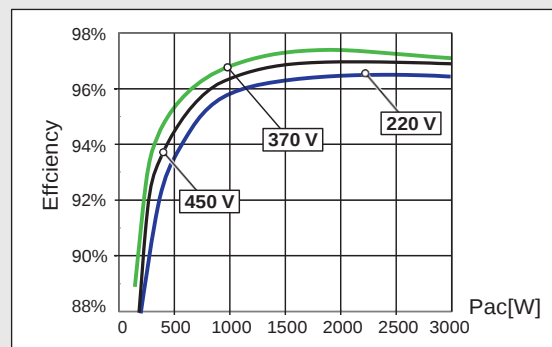
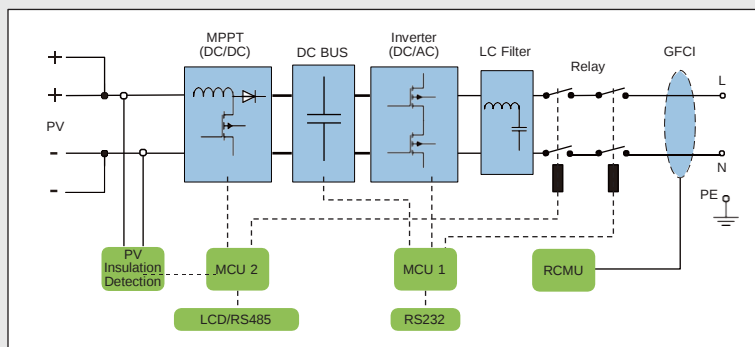
- Interface selection – Wi-Fi and RS485 for more flexible configuration and system monitoring
- Multi-lingual 2-line LCD display
- Digital inputs for the economic connection of a ripple control receiver
- Configurable multi-function relay output

SECURE. EFFICIENT.

- Highest earnings through max. efficiency of 97.2%
- Safe operation due to integrated DC switch
- Free access to the Samil Power monitoring portal
- 5 years standard warranty

RELIABLE. ECONOMICAL.

- No Fan design for low fault rate and long uptime
- Sturdy design due to High Accelerated Life Testing(HALT) and rigorous Multiple Environmental Over Stress Testing(MEOST)
- Defeating shade effect by Global Peak Tracker



	SolarRiver 1100TL-S	SolarRiver 1600TL-S	SolarRiver 2100TL-S	SolarRiver 2600TL-S	SolarRiver 3200TL-S
Input (DC)					
Max. DC power (@cosφ=1)	1100 W	1600 W	2100 W	2600 W	3200 W
Max. input voltage	500 V				550 V
MPP voltage range / rated input voltage	100V - 400V / 380V	140V - 400V / 380V	170V - 400V / 380V	185V - 400V / 380V	188V - 450V / 380V
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 / -	17 A / -
Max. input current per string input A / input B	11 A / -	11.5 A / -	12.5 A / -	14 A / -	17 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	3000 W
Max. apparent AC power	1000 VA	1500 VA	2000 VA	2500 VA	3000 VA
Nominal AC voltage	220V / 230V / 240V				
Nominal AC voltage range	180 V - 277 V				
AC power frequency / range	50 Hz, 60 Hz / 44 Hz - 55 Hz, 54 Hz - 65 Hz				
Rated grid voltage / rated power frequency	230 V / 50 Hz				
Max. output current	4.5 A	6.8 A	9.1 A	11.4 A	13.6 A
Power factor at rated power	1				
Displacement power factor, adjustable	0.9 leading - 0.9 lagging				
Feed-in phases / connection phases	1 / 1				
Efficiency					
Max. efficiency / European weighted efficiency	96.6% / 95.5%	96.8% / 96.0%	96.8% / 96.0%	96.8% / 96.2%	97.2% / 96.4%
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 unit	●				
Protection class (according to IEC 62103) / overvoltage category (according to IEC 60664-1)	I / II (DC), III (AC)				
General data					
Dimensions (W / H / D)	425 / 333 / 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 permissible value for relative humidity (non-condensing)	95%				
Features					
DC connection / AC connection	Multi-Contact MC4, Amphenol MC4 / Tool-free plug				
Display	2-line LCD				
Interface: RS485 / Wi-Fi / Ethernet	○ / ○ / -				
Multi-function relay / 4 digital inputs	● / ●				
Warranty: 5 / 10 / 15 / 20 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, IEC61727				
● Standard features ○ Optional features - Not available					



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