



PV Grid-tied Inverters (Single phase)

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

LEADING-EDGE TECHNOLOGY

- Wider MPPT voltage range
- Compact design
- Transformerless - minimizing size and weight
- MPPT Efficiency: 99.9%

FLEXIBILITY

- Use for indoor or outdoor (IP65)
- "Plug and play" connection for easy installation and maintenance Multi-lingual display
- Easy configuration for local grid standards

BUILT TO LAST

- Automatic protection against over/under voltage, over/under load, islanding, short circuit, etc.
- 5 years standard warranty, up to 25 years warranty extension

CERTIFICATES

- Comply with AS4777, VDE AR-N4105 (Germany), G83/G59, C10/C11, ect.
- (Comply with around 20 countries' Grid Standards)

Datasheet of SolarRiver Series

Inverter model	SolarRiver 1100TL	SolarRiver 1600TL	SolarRiver 2300TL (SR2K2TLA1)	SolarRiver 3000TL (SR2K8TLA1)	SolarRiver 3300TL (SR3K3TLA1)	SolarRiver 3680TL	SolarRiver 4400TL (SR4K4TLA1)	SolarRiver 5200TL (SR5KTLA1)
Input (DC)								
Max. DC Power [W]	1100	1600	2300	3000	3480	4000	4580	5200
Max. DC Voltage [V]	500	500	550	550	550	550	550	550
Max. Input Current [A]	8.8	9.7	11	13.5	17.5	20	21	26
Feed-in Start Voltage [V]	120	150	150	150	150	150	150	150
Operating Voltage Range [V]	100-500	100-500	100-550	100-550	100-550	100-550	100-550	100-550
MPP Voltage Range (Full Load) [V]	120-425	160-425	200-500	210-500	200-500	200-500	200-500	200-500
Numbers of MPPT	1	1	1	1	1	1	1	1
Strings per MPPT	1	1	1	1	2	2	2	2
Output (AC)								
Rated AC Power [VA]	1000	1500	2000	2600	3000	3680	4000	4600
Max. AC Power [W]	1000	1500	2200	2800	3300	3680	4400	5000
Max. AC Current [A]	5.5	8.3	11	13.8	16	16	22	24
Rated AC Voltage / Range [V]	230/180-270	230/180-270	230/180-270	230/180-270	230/180-270	230/180-270	230/180-270	230/180-270
Rated AC Frequency / Range [Hz]	50/47-52	50/47-52	50/47-52	50/47-52	50/47-52	50/47-52	50/47-52	50/47-52
Power Factor (cos φ)	1	1	1	1	1	1	1	1
THDi (at rated power)	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency								
Max. Efficiency	96.6%	96.8%	96.8%	97.0%	97.4%	97.6%	97.6%	97.6%
Euro Efficiency	95.5%	96.0%	96.2%	96.3%	96.5%	97.1%	97.1%	96.8%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
General Data								
Dimension (W*H*D) [mm/in]	285*385*145 /11.2*15.2*5.7	285*385*145 /11.2*15.2*5.7	332*450*161 /13.1*17.7*6.3	332*450*161 /13.1*17.7*6.3	329*433*180 /13.0*17.0*7.1	329*433*180 /13.0*17.0*7.1	329*433*180 /13.0*17.0*7.1	329*433*180 /13.0*17.0*7.1
Weight [kg/lb]	15/33	15/33	17.5/38.6	17.9/39.5	18.9/41.7	19.2/42.3	19.2/42.3	19.4/42.8
Operating Temperature Range [C / F]	-20/+60/-4-140	-20/+60/-4-140	-20/+60/-4-140	-20/+60/-4-140	-20/+60/-4-140	-20/+60/-4-140	-20/+60/-4-140	-20/+60/-4-140
Cooling	Convection	Convection	Convection	Convection	Convection	Fan	Fan	Fan
Ingress protection (IP)	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Display	Backlight, 16*2 Character LCD							
Communication (Standard)	RS232	RS232	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232
Warranty (5/10/15/20/25years)	Std/OPT/OPT/OPT/OPT.							
Certificates	CE, TUV, AS4777, VDE 0126-1-1, RD 1663, G83, DK5940, EN50178, EN61000-3-2, EN6100-6-1/2/3/4, IEC-62109							

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