



PV Grid-tied Inverter (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
- 5 years standard warranty, up to 25 years warranty extension

CERTIFICATES

- CE, TUV, AS4777, VDE 0126-1-1, RD 1663, G83, G59, DK5940, EN50178, EN61000-3-2, EN6100-6-1/2/3/4, IEC-62109



SAMIL POWER
Expert for PV Grid-tied Inverters

Datasheet of SolarRiver Series

Inverter model	SolarRiver 1100TL	SolarRiver 1600TL	SolarRiver 2300TL	SolarRiver 3000TL	SolarRiver 3300TL	SolarRiver 3680TL	SolarRiver 4400TL	SolarRiver 5200TL
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]	100-550							
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							
Strings per MPPT	1	1	1	1	2	2	2	2
Output (AC)								
Rated AC power [W]	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							
Rated AC frequency/range [Hz]	50/47-52							
Power factor (cos φ)	1							
THDi (at rated power)	<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%							
General Data								
Dimensions (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							
Cooling	Convection	Convection	Convection	Convection	Convection	Fan	Fan	Fan
Ingress protection (IP)	IP65							
Display	Backlight, 16*2 Character LCD							
Communication (standard)	RS232	RS232	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232
Warranty (5/10/15/20/25 years)	standard/optional/optional/optional/optional							
Certificates	CE, TUV, AS4777, VDE 0126-1-1, RD 1663, G83, G59, DK5940, EN50178, EN61000-3-2, EN6100-6-1/2/3/4, IEC-62109							

