



PV Grid-tied Inverters (Single phase)

**SolarRiver 1100TL / 1600TL / 2300TL(SR2K2TLA1) / 3000TL(SR2K8TLA1)
3300TL(SR3K3TLA1) / 3680TL / 4400TL(SR4K4TLA1) / 5200TL(SR5KTLA1)**

Leading-edge Technology

- Wide MPP 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 NEW CEI 0-21 (Italy) ,VDE AR-N4105 (Germany), AS4777,G83/G59, C10/C11,ect. (20 countries' Grid Standard)



SAMIL POWER
Expert for PV Grid-tied Inverters



Datasheet

Inverter Model	SolarRiver 1100TL	SolarRiver 1600TL	SolarRiver 2300TL (SR2K2TLA1)	SolarRiver 3000TL (SR2K8TLA1)	SolarRiver 3300TL (SR3K3TLA1)	SolarRiver 3680TL	SolarRiver 4400TL (SR4K4TLA1)	SolarRiver 5200TL (SR5KTLA1)
Input								
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								
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							
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								
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							
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 (5/10/15/20/25years)	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,CEI 0-21							