



# PV Grid-tied Inverters

**SolarRiver 3400TL-D / 4000TL-D / 4500TL-D / 5000TL-D / 5200TL-D**

## Leading-edge Technology

- **Dual MPPT** for independent or parallel inputs mode (auto detecting)
- Wide MPP voltage range
- No fan design for higher reliability and lower noise
- Embedded DC switch (optional)

## Flexibility

- Tool-free DC connector for easy installation and maintenance
- RS485,GPRS,WiFi and Ethernet communication for more flexible configuration and monitoring
- Use for indoor or outdoor (IP65)
- 3.5 inch TFT LCD display and Multi-lingual display
- Grid protection standard setting is more convenient and safer by using service password

## Built to last

- Anti-theft protection
- 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)



# Datasheet

## Inverter Model

SolarRiver 3400TL-D   SolarRiver 4000TL-D   SolarRiver 4500TL-D   SolarRiver 5000TL-D   SolarRiver 5200TL-D

### Input

Max. DC Power [W]	3400	4000	4500	5000	5200
Max. DC Voltage [V]	550	550	550	550	550
Max. Input Current [A]	10.5/10.5	12/12	13.5/13.5	15/15	15/15
Feed-in Start Voltage [V]	150	150	150	150	150
Operating Voltage Range [V]	100-550	100-550	100-550	100-550	100-550
MPP Voltage Range (Full Load) [V]	160~500	165~500	165~500	175~500	175~500
Numbers of MPPT	2	2	2	2	2
Strings per MPPT	1	1	1	1	1
DC Switch	Optional	Optional	Optional	Optional	Optional

### Output

Rated AC Power [VA]	3000	3680	4000	4600	4600
Max. AC Power [W]	3200	3680	4300	4600	5000
Max. AC Current [A]	16	16	22	23	24
Rated AC Voltage / Range [V]			230 / 180~270		
Rated AC Frequency / Range [Hz]			50 / 47~52		
Power Factor (cos φ)			0.8 lagging ~ 0.8 leading		
THDi (at rated power)			< 3%		

### Efficiency

Max. Efficiency	97.40%	97.60%	97.60%	97.60%	97.60%
Euro Efficiency	96.50%	97.10%	97.10%	97.10%	97.10%
MPPT Efficiency			99.90%		

### General Data

Dimension (W*H*D) [mm/in]	520 * 380* 175/20.1*15.0*6.9				
Weight [kg/lb]	23/51	25/55	25/55	25/55	25/55
Operating Temperature Range [°C/°F]	-20~+60/-4~140				
Cooling	Convection				
Ingress protection (IP)	IP65				
Display	3.5 inch TFT LCD				
Communication	Ethernet (Standard) ; RS485 (Optional) /GPRS (Optional) /WiFi (Optional)				
Warranty (5/10/15/20/25years)	Std/OPT./OPT./OPT./OPT.				
Certificates	CE, TUV,BDEW, VDE 0126-1-1,RD 1663,G59,DK5940,EN50178,EN61000-3-2,EN6100-6-1/2/3/4, IEC-62109, VDE AR-N-4105, CEI 0-21, AS4777				