

SolarRiver 3300TL / 4400TL / 5200TL

( Single phase )

Features:

Leading-edge Technology

- Transformerless H6 Topology
- Wide MPP voltage range
- Compact design
- Max. efficiency: **97.6%**
- MPPT efficiency: **99.9%**

Flexibility

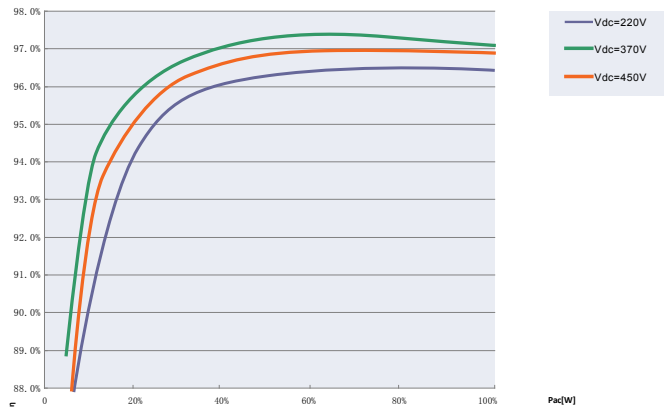
- Use for indoor or outdoor (IP65)
- “Plug and play” connection for easy installation and maintenance
- Multi-lingual display
- Easy configuration for different country grid standards

Built to last

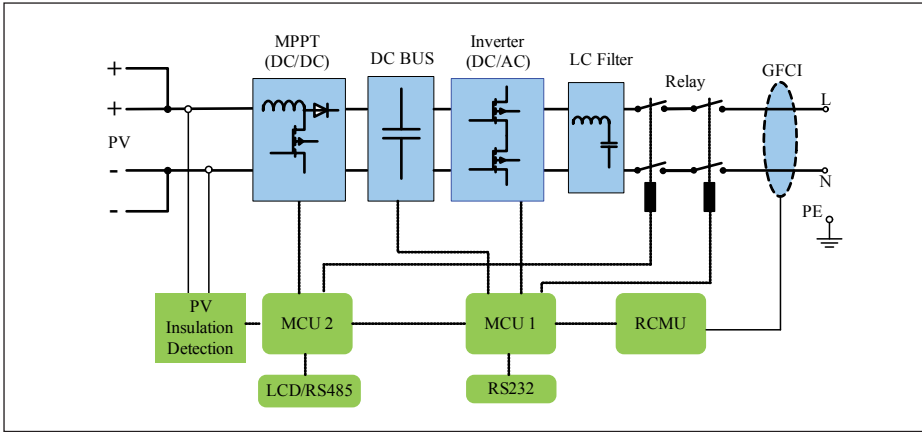
- Automatic protection against over/under voltage,
- over/under load, islanding, short circuit, etc.
- 5 years standard warranty, up to 25 years warranty extension



SolarRiver Efficiency



SolarRiver Topology



Datasheet

Inverter Model	SolarRiver 3300TL (SR3K3TLA1)	SolarRiver 4400TL (SR4K4TLA1)	SolarRiver 5200TL (SR5KTLA1)
<b>Input</b>			
Max. DC Power [W]	3480	4580	5200
Max. DC Voltage [V]	550	550	550
Max. Input Current [A]	17.5	21	26
Feed-in Start Voltage [V]	150	150	150
Operating Voltage Range [V]	100-550	100-550	100-550
MPP Voltage Range (Full Load) [V]	200~500	200~500	200~500
Numbers of MPPT	1	1	1
Strings per MPPT	2	2	2
<b>Output</b>			
Rated AC Power [VA]	3000	4000	4600
Max. AC Power [W]	3300	4400	5000
Max. AC Current [A]	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%		
<b>Efficiency</b>			
Max. Efficiency	97.4%	97.6%	97.6%
Euro Efficiency	96.5%	97.1%	96.8%
MPPT Efficiency	99.9%		
<b>General Data</b>			
Dimension (W*H*D) [mm/in]	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]	18.9/41.7	19.2/42.3	19.4/42.8
Operating Temperature Range [°C/°F]	-20~+60/-4~140		
Cooling	Convection	Fan	Fan
Ingress protection (IP)	IP65		
Display	Backlight, 16*2 Character LCD		
Communication(Standard)	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,G59,DK5940,EN50178,EN61000-3-2, EN6100-6-1/2/3/4,IEC-62109,CEI 0-21		
Inverter Model	SolarRiver 3300TL (SR3K3TLA1)	SolarRiver 4400TL (SR4K4TLA1)	SolarRiver 5200TL (SR5KTLA1)

SolarRiver 3400TL-D / 4000TL-D / 4500TL-D / 5000TL-D / 5200TL-D  
( Single phase )

Features:

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

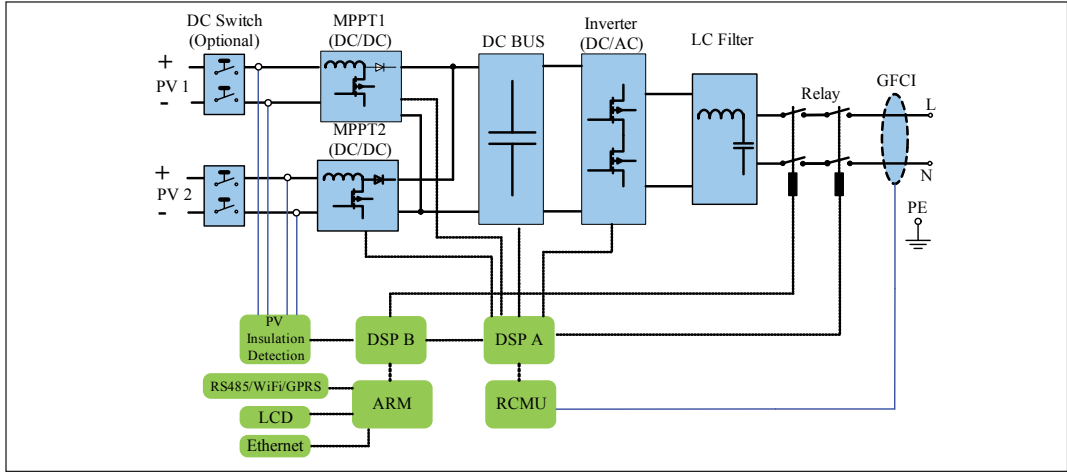
- Anti-theft protection
- 5 years standard warranty, up to 25 years warranty extension

Certificates

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



SolarRiver Topology



Datasheet

Inverter Model	SolarRiver 3400TL-D	SolarRiver 4000TL-D	SolarRiver 4500TL-D	SolarRiver 5000TL-D	SolarRiver 5200TL-D
<b>Input</b>					
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
<b>Output</b>					
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 %		
<b>Efficiency</b>					
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%		
<b>General Data</b>					
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/GPRS/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				
Inverter Model	SolarRiver 3400TL-D	SolarRiver 4000TL-D	SolarRiver 4500TL-D	SolarRiver 5000TL-D	SolarRiver 5200TL-D