

PV Grid-tied Inverter (Single phase)

SolarRiver 3400TL-D/4000TL-D/4500TL-D/5000TL-D/5200TL-D/6000TL-D

LEADING-EDGE TECHNOLOGY

- Dual MPPT for independent or parallel input 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, Wi-Fi 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

- CE, TUV, VDE 0126-1-1, RD 1663, G59/G83, DK5940, EN50178, EN61000-3-2, EN6100-6-1/2/3/4, IEC-62109, VDE AR-N-4105, CEI 0-21, AS4777

SAMIL POWER™
Expert for PV Grid-tied Inverters

Datasheet of SolarRiver-D Series

Inverter model	SolarRiver 3400TL-D	SolarRiver 4000TL-D	SolarRiver 4500TL-D	SolarRiver 5000TL-D	SolarRiver 5200TL-D	SolarRiver 6000TL-D
Input (DC)						
Max. DC power [W]	3400	4000	4500	5000	5200	6000
Max. DC voltage [V]	550					
Max. input current [A]	10.5/10.5	12/12	13.5/13.5	15/15	15/15	15/15
Feed-in start voltage [V]	150					
Operating voltage range [V]	100-550					
MPPT voltage range (full load) [V]	160-500	165-500	165-500	175-500	175-500	210-500
Numbers of MPPT	2					
Strings per MPPT	1					
DC switch	Optional					
Output (AC)						
Rated AC power [W]	3000	3680	4000	4600	4600/5000	5750
Max. AC power [W]	3200	3680	4300	4600	5000	5750
Max. AC current [A]	16	16	22	23	24	25
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	97.4%	97.6%	97.6%	97.6%	97.6%	97.4%
Euro efficiency	96.5%	97.1%	97.1%	97.1%	97.1%	96.8%
MPPT efficiency	99.9%					
General Data						
Dimensions (WxHxD) [mm/in]	380x520x175/20.1x15.0x6.9					
Weight [kg/lb]	23/51	25/55	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)/Wi-Fi (optional)					
Warranty (5/10/15/20/25 years)	standard/optional/optional/optional/optional					
Certificates	CE, TUV, VDE 0126-1-1, RD 1663, G59/G83, DK5940, EN50178, EN61000-3-2, EN6100-6-1/2/3/4, IEC-62109, VDE AR-N-4105, CEI 0-21, AS4777					