

SolarRiver Series



SolarRiver (Brief in SR) series PV grid-tied inverters are string inverters specially designed for PV power station by Samil Power. It consists of 7 power levels, which provide more flexible choices for PV power plants. SR series string inverters are not only with high cost-effective, but also has modern appearance.

Moreover, it strictly complies with the international certification or standards, i.e.: ISO, CE, RD1663, DK5940, VDE0126-1-1 and AS4777, etc.

- MODEL SR3K3TLA1
- MODEL SR4K4TLA1
- MODEL SR4K4TLA1/PT
- MODEL SR5KTLA1

■ Features

- Utilizing the latest high-efficiency power device for PV inverters and improving the inverter efficiency significantly
- Optimal MPPT technology, maximizing the system output power
- Multiple communication via RS232,RS485 (optional)
- Multilingual LCD monitoring, easy to use
- Multi-inverter parallel running mode, simplifying the plant design
- Protection for overvoltage, islanding, overload, overheating,etc.
- Modern appearance design, compact profile and light weight
- Plug connectors for input and output, easy to install and maintain



Adapt To Any Weather



Technical Data

SolarRiver Series 3.3-5KW

Inverter Model	SR3K3TLA1	SR4K4TLA1	SR4K4TLA1/PT	SR5KTLA1
Input Data				
Max.DC power[Wp]	3480	4580	4000	5200
Max. DC voltage[V]	550	550	550	550
Max.input current[A]	17.5	22	22	26
Number of MPP trackers	1	1	1	1
MPPT voltage range[V]	200~500	200~500	200~500	200~500
Number of DC connection	2	2	2	2
Output Data				
Rated AC power[W]	3000	4000	3680	4600
Max. output power[W]	3300	4400	3680	5000
Max. output current[A]	16	22	16	24
AC connection	Single phase	Single phase	Single phase	Single phase
Grid voltage range[V]	180~260	180~260	180~260	180~260
Grid frequency[Hz]	50/60	50/60	50/60	50/60
Power factor	>0.99	>0.99	>0.99	>0.99
Total Harmonic distortion(THD)	<3% (rated power)	<3% (rated power)	<3% (rated power)	<3% (rated power)
Efficiency				
Max. efficiency	97.4%	97.6%	97.6%	97.6%
Euro efficiency	96.5%	97.1%	97.1%	96.8%
General data				
Dimensions(W*H*D)[mm]	329*433*180	329*433*180	329*433*180	329*433*180
Weight[kg]	17.8	18.6	18.6	18.7
Operating temperature range[°C]	-20~+60	-20~+60	-20~+60	-20~+60
Ambient humidity	0~95%	0~95%	0~95%	0~95%
Altitude[m]	≤2000	≤2000	≤2000	≤2000
Electronics protection rating	IP65	IP65	IP65	IP65
Topology	transformerless	transformerless	transformerless	transformerless
Night-time consumption[W]	0	0	0	0
Cooling concept	Convection	Fan cooling	Fan cooling	Fan cooling
Noise mission (typical) [dB]	<28	<40	<40	<40
Display	LCD	LCD	LCD	LCD
Communication interface	RS485/RS232	RS485/RS232	RS485/RS232	RS485/RS232
Standard warranty[year]	5	5	5	5
Inverter Model	SR3K3TLA1	SR4K4TLA1	SR4K4TLA1/PT	SR5KTLA1