

# 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 SR1K5TLA1
- MODEL SR2K2TLA1
- MODEL SR2K8TLA1

## ■ 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, convenient for setting
- Multi-inverter parallel running mode, simplifying the power plant design
- Protection for overvoltage, islanding, overload, overheating, etc.
- Modern appearance design, compact profile and light weight
- Plug in connectors for input and output, easy to install and maintain



Adapt To Any Weather



# Technical Data

## SolarRiver Series 1.5-2.8KW

Inverter Model	SR1K5TLA1	SR2K2TLA1	SR2K8TLA1
<b>Input Data</b>			
Max.DC power[Wp]	1700	2300	3000
Max. DC voltage[V]	550	550	550
Max.input current[A]	9	11	13.5
Number of MPP trackers	1	1	1
MPPT voltage range[V]	150~500	150~500	150~500
Number of DC connection	1	1	1
<b>Output Data</b>			
Rated AC power[W]	1500	2000	2600
Max. output power[W]	1650	2200	2800
Max. output current[A]	8.6	11	13.8
AC connection	Single phase	Single phase	Single phase
Grid voltage range[V]	180~260	180~260	180~260
Grid frequency[Hz]	50/60	50/60	50/60
Power factor	1	1	1
Total Harmonic distortion(THD)	<3% (rated power)	<3% (rated power)	<3% (rated power)
<b>Efficiency</b>			
Max. efficiency	95.5%	96%	96.5%
Euro efficiency	94.3%	94.9%	95.5%
<b>General data</b>			
Dimensions(W*H*D)[mm]	332*440*150	332*440*150	332*440*150
Weight[kg]	13.5	14	14
Operating temperature range[°C]	-20~+60	-20~+60	-20~+60
Ambient humidity	0~95%	0~95%	0~95%
Altitude[m]	≤2000	≤2000	≤2000
Electronics protection rating	IP65	IP65	IP65
Topology	transformerless	transformerless	transformerless
Power Consumption (Night-time) [W]	0	0	0
Cooling concept	Convection	Convection	Convection
Noise mission (typical) [dB]	<28	<28	<28
Display	LCD	LCD	LCD
Communication interface	RS485/RS232	RS485/RS232	RS485/RS232
Standard warranty[year]	5	5	5
<b>Inverter Model</b>	<b>SR1K5TLA1</b>	<b>SR2K2TLA1</b>	<b>SR2K8TLA1</b>