



- Grid-Tied Single Phase one MPPT PV Inverter
- River Series

- RV2000S / RV3000S

FEATURE

- **High Efficiency**
High conversion efficiency up to 97.5%
Enhanced dynamic MPPT algorithm to make sure accurate and real-time MPP tracking.
- **Compact and Robust**
Light weight, compact structure design, easy installation
IP65 protection grade: CapSense Button design to ensure superior water proof performance
- **Intelligent Monitoring, User Friendly**
Easy connection for GPRS or WIF module. Remotely monitoring system anytime and anywhere through web portal or mobile APP



Inverter	RV2000S	RV3000S
Input (DC)		
Max. DC Input Power [W]	2200	3300
Max. DC Voltage [V]	550	550
Operating MPPT Voltage Range [V]	100 - 500	100 - 500
Full Load MPPT Range [V]	220 - 440	280 - 440
Nominal Input Voltage [V]	380	380
Star Up Voltage/Initial Feeding Voltage [V]	70/150	70/150
Turn off Voltage [V]	60	60
Max. DC Current [A]	12	12
Number of MPP Trackers	1	1
Number of DC Connections/Tracker	1	1
Output (AC)		
Max. AC Output Power [VA]	2000	3000
Nominal AC Output Power [W]	2000	3000
Nominal AC Voltage [V]*	230	230
AC Voltage Range [V]	187 - 270	187 - 270
Nominal Frequency [Hz]*	50 / 60	50 / 60
Frequency Range [Hz]	45 - 55 / 55 - 65	45 - 55 / 55 - 65
Max. AC Current [A]	10	14
Power Factor	0.9i - 0.9c	0.9i - 0.9c
Total Harmonic Distortion (THD)	<3%	<3%
Efficiency		
Max. Efficiency	97.3%	97.5%
Euro Efficiency	96.5%	97.0%
MPPT Efficiency	99.9%	99.9%
loss at standby /loss at night	<5W / <0.5W	<5W / <0.5W
Safety and Protection		
Array ground insulation resistance monitoring	Yes	
All-pole sensitive residual current monitoring unit	Yes	
Array polarity reverse protection	Yes	
Output short circuit protection	Yes	
Anti-island protection	Yes	
Surge protection	Yes	
Protection Class	I	
Overvoltage Category	PV II / MainsIII	
General data		
Dimensions (WxHxD) [mm]	349*284*126	349*284*126
Weight [kg]	8.5	9
Environmental Protection Rating	IP65	
Cooling Concept	Natural convection	
DC Switch	Yes	
DC Connector	Amphenol connector	
AC Connector	Plug-in connector	Plug-in connector
Mounting Information	Wall bracket	
Feature		
Operating Temperature Range [°C]	-25 ~ +60, derating when temperature>45	
Relative Humidity	0 - 95%,non condensing	
Max. Altitude (above sea level) [m]	<2000	
Noise Emission [dB]	<25	
Topology	Transformerless	
Display	LCD, CapSense key	
Data Communication Interfaces	WiFi/GPRS optional	
Certification	AS 4777.2, C10/11, CE, CEI 0-21, EN 50549, G99, DIN EN 62109, IEC 62109, RD1699, VDE-AR-N 4105, VDE0126-1-1, IEC 61727, IEC 62116	

*The AC voltage and frequency range may vary depending on specific country grid