



● Grid-Tied Single Phase dual MPPT PV Inverter

● River Series

● RV4000D / RV5000D / RV6000D

## 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	RV4000D	RV5000D	RV6000D
<b>Input (DC)</b>			
Max. DC Input Power [W]	4400	5500	6500
Max. DC Voltage [V]	550	550	550
Operating MPPT Voltage Range [V]	100-500	100-500	100-500
Full Load MPPT Range [V]	225-440	280-440	300-440
Nominal Input Voltage [V]	380	380	380
Star Up Voltage/Initial Feeding Voltage [V]	70/150	70/150	70/150
Turn off Voltage [V]	60	60	60
Number of MPP Trackers	2	2	2
Number of DC Connections/Tracker	1	1	1
Max. DC Current per Tracker [A]	12	12	12
Max. Power per Tracker [W]	2500	3000	3500
<b>Output (AC)</b>			
Max. AC Output Power [VA]	4000**	5000***	6000
Nominal AC Output Power [W]	4000**	5000***	5750
Nominal AC Voltage [V]*	230	230	230
AC Voltage Range [V]	187 - 270	187 - 270	187 - 270
Nominal Frequency [Hz]*	50 / 60	50 / 60	50 / 60
Frequency Range [Hz]	45 - 55 / 55 - 65	45 - 55 / 55 - 65	45 - 55 / 55 - 65
Max. AC Current [A]	17.5	22	25
Power Factor	0.9i - 0.9c	0.9i - 0.9c	0.9i - 0.9c
Total Harmonic Distortion (THD)	<3%	<3%	<3%
<b>Efficiency</b>			
Max. Efficiency	97.50%	97.50%	97.50%
Euro Efficiency	97%	97%	97%
MPPT Efficiency	99.90%	99.90%	99.90%
loss at standby /loss at night	<5W / <0W	<5W / <0W	<5W / <0W
<b>Safety and Protection</b>			
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 / Mains III		
<b>General data</b>			
Dimensions (WxHxD) [mm]	389*355*150	389*355*150	389*355*150
Weight [kg]	14	14.5	14.8
Environmental Protection Rating	IP65		
Cooling Concept	Natural convection		
DC Switch	Optional		
DC Connector	Amphenol connector		
AC Connector	Plug-in connector		
Mounting Information	Wall bracket		
<b>Feature</b>			
Operating Temperature Range [°C]	-25 ~ +60, derating when temperature>45°C		
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

\*\*power can derating to 3680VA

\*\*\*power can derating to 4600VA