

RS-VQD 3600W - 11000W

Hybrid Solar Inverter RS-VQD Series

RS-VQD Series 3600W - 11000W (1 ph in / 1ph out)

Key Features:

- Output power factor PF=1.0
- Automatic lithium battery restart function for more convenient charging
- Supports CT backflow protection, automatically detects grid status, and ensures no power flows back into the grid
- Optional touchscreen panel
- Adjustable charging voltage to accommodate different battery charging requirements
- Allows for grid-connected solar power generation, saving on electricity costs
- Communication: External Wi-Fi for real-time data monitoring
- Supports lithium battery BMS functionality



Technical Specification:

Model	RS-VQD 3624	RS-VQD 6248	RS-VQD 11048	
Model	Rated Input Voltage	220 / 230 / 240VAC		
	Voltage Range	90-280VAC±3V (Normal Mode) 170-280VAC±3V (UPS Mode)		
	Frequency	50 / 60Hz (Adaptive)		
Output	Battery Inverter	3600W	6200W	11000W
	Photovoltaic Inverter	3600W	6200W	12000W
	Peak Power	72000VA	124000VA	220000VA
	Output Voltage	220 / 230 / 240VAC ±5%		
	Output Frequency	50 / 60Hz±0.1%		
	Waveform	Pure Sine Wave		
	Switching Time (Adjustable)	Computer equipment 10ms, home appliances 20ms		
	Overload Capacity	Battery Mode: 11s@105%~150% Load; 2s@150%~200% Load; 400ms@ > 200% Load		
Grid Connected Operation	Output Voltage	220 / 230 / 240VAC		
	Grid Voltage Range	100 - 280VA		
	Grid Frequency Range	47 - 53±1Hz / 57 - 62±1Hz		
	Output Current	15.7A	26.9A	47.8A
	Power Factor Range	>0.99		
	(DC/AC)Conversion Efficiency	>98%		
Battery	Rated Voltage	24VDC	48VDC	48VDC
	Constant Charging Voltage (Adjustable)	28.2VDC	56.4VDC	56.4VDC
	Float Charging Voltage (Adjustable)	27VDC	54VDC	54VDC
Charger	PV Charging Method	MPPT	MPPT	MPPT
	Max PV Input	5000W	8500W	2 * 5500W
	MPPT Tracking Range	60~500VDC	60~500VDC	90~500VDC
	MAX PV Input Voltage	500VDC	500VDC	500VDC
	MAX PV Input Current	15A	27A	27A / 27A
	MAX PV Charge current	120A	120A	150A
	MAX AC Charge current	100A	100A	150A
	MAX Charge current	120A	120A	150A
Display	LCD	Can display operating mode / load / input / output		
Interface	RS232	Baud rate 2400		
	Expansion Slot Communication Interface	Lithium-ion Battery BMS Communication Card, Wi-Fi Card, CT Interface		
	Parallel Interface	No Parallel Function		
Ambient Temperature	Operating Ambient Temperature	-10°C~50°C		
	Operating Environment Humidity	-15°C~60°C		
	Ork Altitude	No more than 1000m, If < 1000m, Rate power will lower, Max 4000m		
	Operating Environment Humidity	20%~95% Non Condensing		
	Noise	≤50db		
Dimension	Machine Size - L*W*H(mm)	355*294*118	440.3*309*125.5	585*360*164
	Package Size - L*W*H(mm)	430*373*197	494*383*195	/
	Net Weight (KG)	6.35	8.77	/
	Gross Weight (KG)	7.39	10.03	/
Note : Product Specification are Subject to Change Without Further Notice.				