

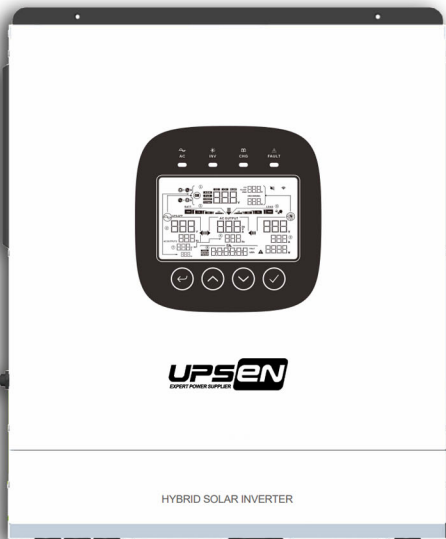
# RS VMH 1.2KW - 11KW

## Off-Grid Solar Inverter RS VMH Series

RS VMH Series 1.2KW - 11KW (1ph in / 1ph out)

### Key Features:

- Dual outputs, for smart load management
- Pure sine wave output, Work without Battery
- 500V wide PV circuit voltage can work for the load without battery connected (when the energy is sufficient)
- Built in MPPT solar controller
- Configurable AC / Solar input priority and output priority via LCD settings
- Wide and selectable AC input voltage range
- Multiple protections of battery over discharge, overload, over temperature, short circuit
- Automatically turn on after the mains is restored
- Cold start function, USB monitoring function
- Optional WIFI and Bluetooth intelligent monitoring function, support mobile APP to view various data (optional)
- Selectable charging for different types of battery via LCD setting



# Technical Specification:

Model	RS VMH 1200	RS VMH 3600	RS VMH 6500	RS VMH 11000
Rated Capacity	1200VA / 1200W	3600VA / 3600W	6500VA / 6500W	11KVA / 11KW
<b>AC INPUT</b>				
Input Format	L+N+PE			
Rated Input Voltage	208 / 220 / 230 / 240VAC ± 5%			
Voltage Range	Appliance Mode: 90~280VAC; UPS Mode: 170~264VAC			Appliance Mode: 90~280VAC; UPS Mode: 170~280VAC
Frequency Range	50Hz / 60Hz(Auto Sensing)			
Max. AC Charging Current	50 A	100 A	120 A	120 A
<b>OUTPUT</b>				
Output Format	L+N+PE			
Rated Output Voltage	208 / 220 / 230 / 240VAC ± 5%			
Output Frequency	50 / 60Hz ± 0.1%			
Waveform	Pure Sine Wave			
Transfer Time	10ms			
Peak Power	1.0			
Waveform Overload Capacity (Battery Mode)	60s@102%<Load<120% Load 10s@120%<Load<200% Load	1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 0.2s@>150% Load	1min@102%~120% Load 10s@>120% Load	10s@110%~140% Load 5s@≥140% Load
Peak Efficiency (Battery Mode)	≥90%	≥92.7%	≥94%	≥93%
<b>BATTERY</b>				
Battery Type	Li-ion Battery / Lead-Acid Battery			
Rated Voltage	12 VDC	24 VDC	48 VDC	48 VDC
Constant Charging Voltage (Can Be Set)	14.1 VDC	28.2 VDC	56.4 VDC	56.4 VDC
Float Charging Voltage (Can Be Set)	13.5 VDC	27 VDC	54 VDC	54 VDC
<b>SOLAR INPUT</b>				
Solar Charger Type	MPPT	MPPT	MPPT	MPPT
PV Maximum Input Power	800W	5000W	9000W	5000W * 2
MPPT Tracking Voltage Range	17-115 VDC	40-450 VDC	60-450 VDC	60-500 VDC
Maximum PV Input Voltage	450 VDC	500 VDC	500 VDC	500 VDC
Maximum PV Input Current	18 A	18 A	27 A	80 A * 2
Maximum PV Charge Current	50 A	100 A	120 A	160 A
Maximum Charging Current (AC+PV)	100 A	100 A	120 A	160 A
<b>COMMUNICATION INTERFACE</b>				
Communication Interface	RS485 / USB / RS232			
Expansion Slot Communication Interface	WIFI (Optional)			
Display	LCD			
<b>Environmental Parameters</b>				
Operation Environment	- 10~50℃ (Reduce output power to 80% above 40 ℃)			
Temperature Storage Environment	- 15~60℃			
Temperature Environment Humidity	20%~95% (Non-Condensing)			
Cooling Mode	Active Cooling			
Operation Altitude	The altitude should not exceed 1000m, and the height above 1000m should be reduced to a maximum of 4000m. Refer to IEC62040-3			
Noise	≤50db			
<b>PHYSICAL PARAMETERS</b>				
W*D*H(mm)	300*97*217	280*136*350	310*136*420	540*122*415
Weight (For Reference)	3.5	6.6	8	15.5
*Product Specifications are Subject to Change Without Notice.				