

RS-VM II 3000W / 5500W

Hybrid Solar Inverter Controller RS-VM II Series

RS-VM II 3000W / 5500KW (1ph in / 1ph out)



Key Features:

- Pure sine wave solar inverter
- Output power factor 1
- Parallel operation up to 9 units
- High PV input voltage range Battery independent design
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dusk kit for harsh environment

Anti-Dust Kit:

- After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.

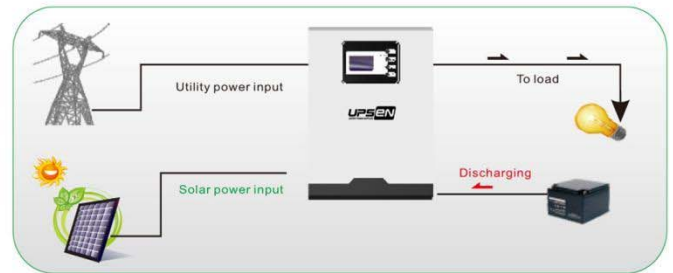
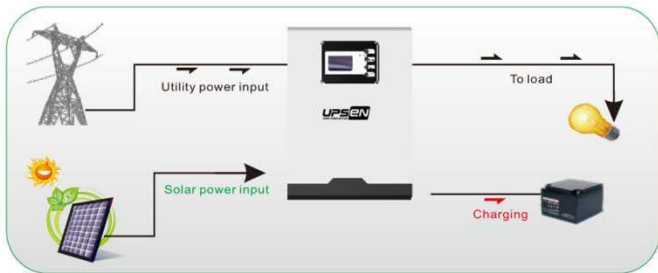
Shenzhen UPSen Electronic CO.,Ltd.
www.upsen.net

Technical Specification:

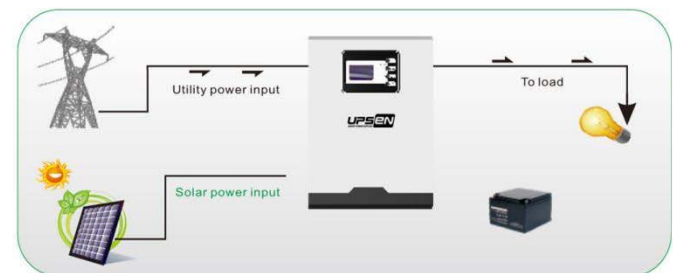
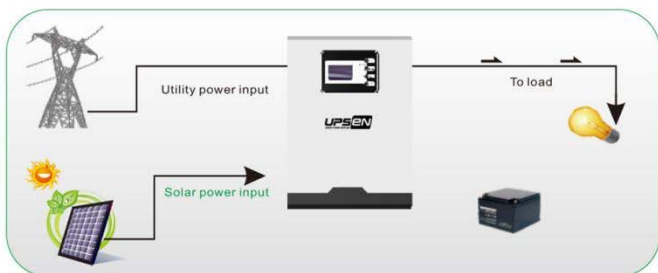
| RS - VM II | | |
|--|--|--------------------|
| Model | RS - VM II 3000-24 | RS - VM II 5500-48 |
| Rated Power | 3000VA / 3000W | 5500VA / 5500W |
| INPUT | | |
| Voltage | 230VAC | |
| Selectable Voltage Range | 170-280VAC(For Personal Computers); 90-280VAC(For Home Appliances) | |
| Frequency Range | 50Hz / 60Hz(Auto Sensing) | |
| OUTPUT | | |
| AC Voltage Regulation (Batt.Mode) | 230VAC \pm 5% | |
| Surge Power | 6000VA | 11000VA |
| Efficiency(Peak) | UP to 93.5% | |
| Transfer Time | 10ms (For Personal Computers); 20ms (For Home Appliances) | |
| Waveform | Pure Sine Wave | |
| BATTERY | | |
| Battery Voltage | 24VDC | 48VDC |
| Floating Charge Voltage | 27VDC | 54VDC |
| Overcharge Protection | 33VDC | 63VDC |
| SOLAR CHARGER & AC CHARGER | | |
| Maximum PV Array Open Circuit Voltage | 500VDC | |
| Maximum PV Array Power | 5500W | |
| MPPT Range @ Operating Voltage | 120 ~ 450VDC | |
| Maximum Solar Charge Current | 100A | |
| Maximum AC Charge Current | 80A | |
| Maximum Charge Current | 100A | |
| PHYSICAL | | |
| Dimension, D*W*H(mm) | 100*300*440 | |
| Net Weight(kgs) | 9 | 10 |
| Communication Interface | USB / RS232 | |
| ENVIRONMENT | | |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) | |
| Operating Temperature | -10°C to 50°C | |
| Storage Temperature | -15°C to 60°C | |
| Note : Product Specification are Subject to Change Without Further Notice. | | |

RS VM II Hybrid Operation

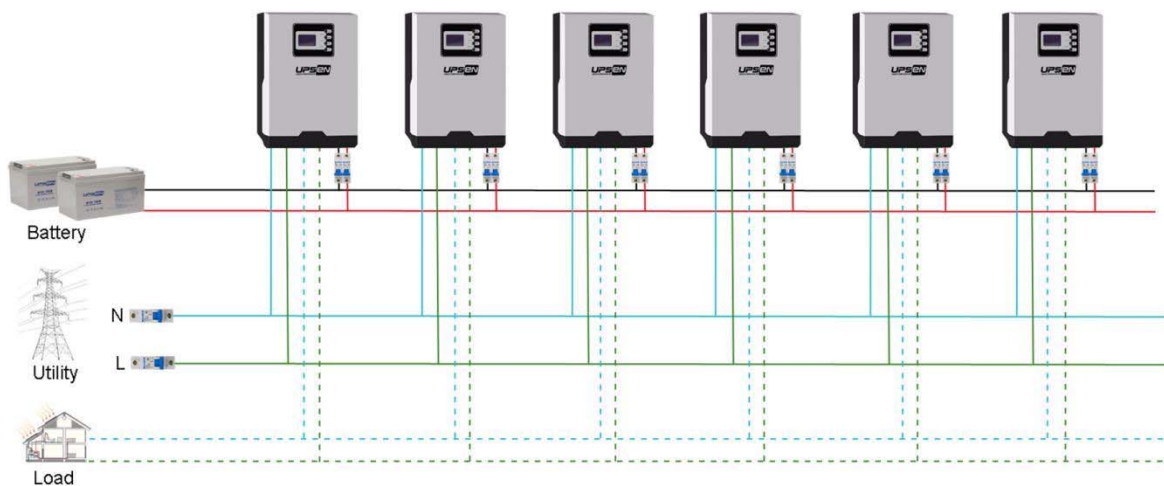
With battery connected



Without battery connected



Single phase output up to 49.5KW using 9 units



Three phase output using either 3 units (16.5KW) or max 9 units (49.5KW)

