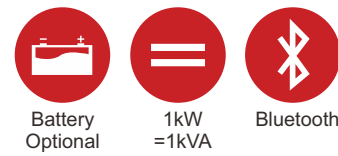




GVT-VM II

Solar Energy Storage Inverter



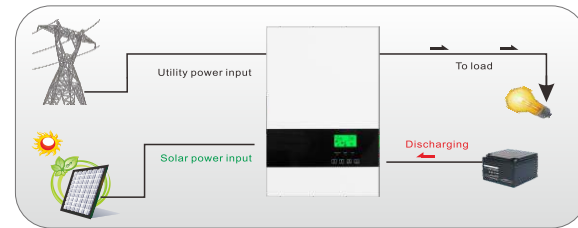
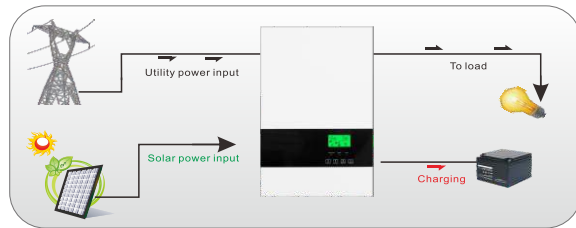
Key Features

- Output power factor PF=1.0
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Overload , Over temperature, Short circuit protection
- Integrated Bluetooth interface with Android App
- Supports USB On-the-Go function
- Reserved communication port(RS-485,CAN-BUS or RS-232)for BMS
- Battery independency
- User-friendly LCD operation
- Replaceable fan design

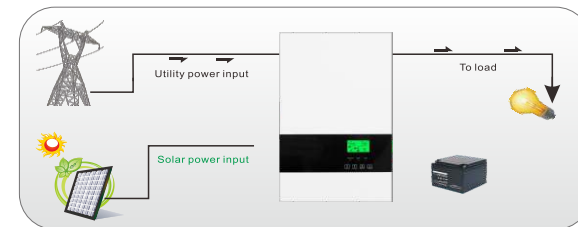
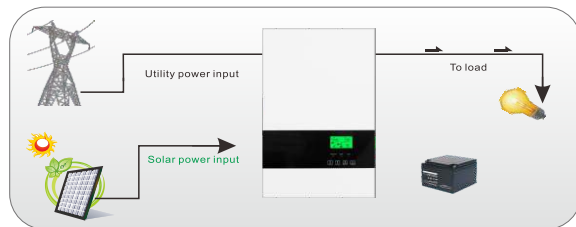


Hybrid Operation

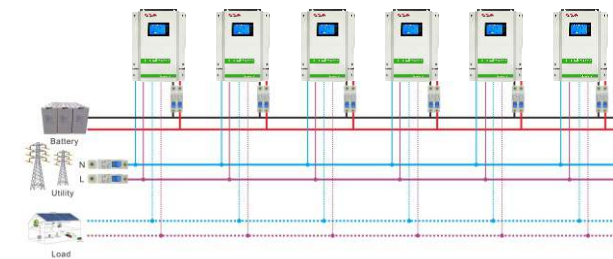
With battery connected



Without battery connected



■ Single phase output up to 49.5 KW using 9 units



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



Wall Mounted Integrated Solar Power Inverter Technical Specification
Built-in MPPT Solar Controller

| Model | GVT VM II 3k-24 | GVT VM II 5.5k-48 |
|---------------------------------------|---|-------------------|
| Rated Power | 3000VA/3000W | 5500VA/3000W |
| INPUT | | |
| Voltage | 230 VAC | |
| Selectable Voltage Range | 170-280 VAC(For Personal Computers);90-280 VAC(For Home Appliances) | |
| Frequency Range | 50 Hz/60 Hz(Auto sensing) | |
| OUTPUT | | |
| AC Voltage Regulation(Batt.Mode) | 230VAC ± 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 | 24 VDC | 48 VDC |
| Floating Charge Voltage | 27 VDC | 54 VDC |
| Overcharge Protection | 33 VDC | 63 VDC |
| SOLAR CHARGER & AC CHARGER | | |
| Maximum PV Array Open Circuit Voltage | 500 VDC | |
| Maximum PV Array Power | 5500 W | |
| MPPT Range @ Operating Voltage | 120~450 VDC | |
| Maximum Solar Charge Current | 100A | |
| Maximum AC Charge Current | 80A | |
| Maximum Charge Current | 100A | |
| PHYSICAL | | |
| Dimension, D X W X H(mm) | 100 X 300 X 440 | |
| Net Weight(kgs) | 9 | 10 |
| Communication Interface | USB/RS232 | |
| ENVIRONMENT | | |
| Humidity | 5% to 95% Relative Humidity(No-condensing) | |
| Operating Temperature | -10°C to 50°C | |
| Storage Temperature | -15°C to 60°C | |
| SPECIAL FUNCTION | | |
| | Supports lithium battery BMS communication | |

Note: Product specifications are subject to change without further notice.