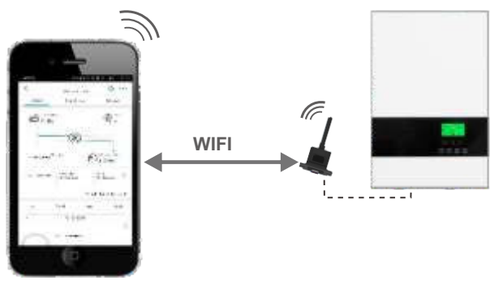
# GVT-E PLUS

## Hybrid Energy Storage Inverter

Battery Optional | On&Off Grid | Wi-Fi Function | 1kW =1kVA

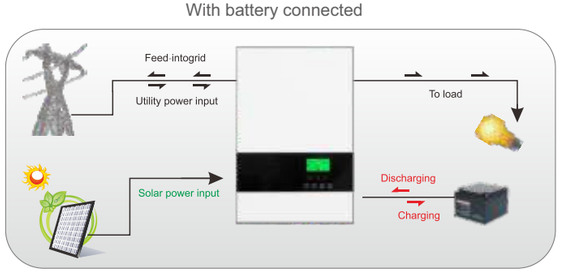



## Key Features

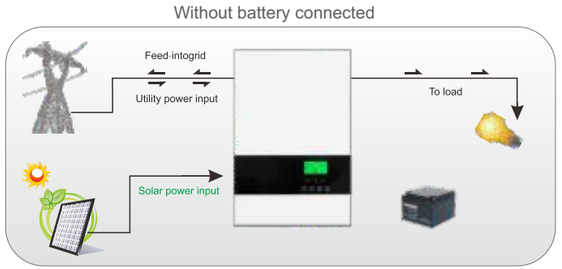
- Hybrid solar inverter(on/off grid inverter)
- Output power factor PF=1.0
- On-grid with energy storage
- Configurable AC/Solar Charger priority via LCD setting
- Smart battery charger design for optimized battery performance
- Compatible to mains voltage or generator power
- Overload, Over temperature ,Short circuit protection, Fault record, History record
- External WI-FI devices
- Parallel operation with up to 9 units

## Hybrid Operation

With battery connected

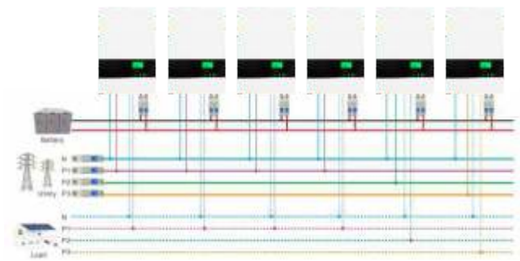



Without battery connected




■Single phase output up to 49.5 KW using 9 units

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



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

| Model | GVT E PLUS 3k-24 | GVT E PLUS 3.2k-48 | GVT E PLUS 5.5k-48 |
|---|---|---|---|
| Max PV Array Power | | 5000W | |
| Rated Output Power | 3000W | 3200W | 5500W |
| Maximum PV Array Open Circuit Voltage | | 500VDC | |
| MPPT Range @ Operating Voltage | | 120-450VDC | |
| **GRID-TIE OPERATIOM** | | | |
| GRID OUTPUT(AC) | | | |
| Nominal Output Voltage | | 220/230/240VAC | |
| Output Voltage Range | | 184-265VAC | |
| Nominal Output Current | 13.6A/13.0A/12.5A | 14.5A/13.9A/13.3A | 25A/23.9A/22.9A |
| Efficiency | | Up to 93.5% | |
| **OFF-GRID, HYBRID OPERATION** | | | |
| GRID INPUT | | | |
| Acceptable Input Voltage Range | | 120-280VAC | |
| Frequency Range | | 50Hz/60Hz(Auto sensing) | |
| BATTERY MODE OUTPUT | | | |
| Nominal Output Voltage | | 220/230/240VAC | |
| Output Wave form | | Pure sine wave | |
| BATTERY & CHARGER | | | |
| Nominal DC Voltage | 24VDC | 48VDC | |
| Maximum Solar Charge Current | | 90A | |
| Maximum AC Charge Current | | 60A | |
| Maximum Charge Current | | 90A | |
| **Emergency output power** | | | |
| Maximum output Power | 3000W | 3200W | 5500W |
| Surge Power | 6000W | 6400W | 11000W |
| Automatic Transfer Time | | <8ms | |
| **GENERAL** | | | |
| INTERFACE | | | |
| Parallel Function | | Yes | |
| Communication | | USB or RS232/Dry-Contact | |
| ENVIRONMENT | | | |
| Humidity | | 0~90% RH (No Condensing) | |
| Operating Temperature | | 0 to 50℃ | |
| Net Weight(KG) | 9 | 10 | |
| Rough Weight(KG) | 10 | 11 | |
| Dimension(W*D*H)mm | | 115x300x400 | |