# OFF GRID INVERTER

GSI series three phases inverter

## Product introduction

This series of three-phase off-grid inverters are high-efficiency and high-performance three-in-three-out inverter products. They are a new generation dedicated power supplies for new energy power generation systems. They integrate digitization, informatization and networking. They have powerful information acquisition system, signal processing system, detection system and perfect protection system. They have wide input DC voltage, stable output voltage and frequency, which are mainly used in photovoltaic power stations, wind power stations, wind, light, oil, storage complementary power generation systems ,household photovoltaic power supply system and other fields, especially places that require three-phase four-wire AC power.

## Performance characteristics

- Advanced DSP digital control technology effectively improve the product feature and system stability;
- Excellent industrial ambient protection performance, applicable to all kinds of working environment;
- High performance big LCD screen, smart boot prompts and operation error alert function, operate visually and easily;
- Powerful communication interfaces and network remote monitoring;
- Wealth of optionas can be flexibly configured according to the actual needs;
- Independent airtight duct, optimized ventilation design, internal modular installation, all devices required maintenance can be maintained from the front side. Machine can be installed three faces against the wall or parallel.

## Technical parameters

| Rated power(KVA3) | GSI 10/15/20/30 KVA3 | GSI 40/50/60 KVA3 | GSI 80/100/120 KVA3 | GSI 160/200 KVA3 | GSI 250/300 KVA3 |
|---|---|---|---|---|---|
| Rated DC voltage(VDC) | 220/360/384 | 220/360/384 | 360/384 | 360/384 | 384 |
| Phase | Three phases+N+G | | | | |
| Nominal voltage | 380VAC/400VAC | | | | |
| Nominal frequency | 50/60Hz | | | | |
| Frequency stability: when out of sync | <±0.05% | | | | |
| Frequency stability: when synchronized | <±5% | | | | |
| Current peak factor | 3:1 | | | | |
| Output waveform | Pure sine wave | | | | |
| THD | Liner load < 3%； Non-liner load < 5% | | | | |
| Dynamic load voltage transients (from 0 to 100%) | <±5% | | | | |
| Load voltage | <±3%(Balanced Load); <±5% (unbalnced load) | | | | |
| Overload capacity | 125%10min，150%1min | | | | |
| Inverter efficiency,load 100% | >92% | | | | |
| Computer communication interface | RS232 (485 Network remote monitoring Optional) | | | | |
| Operating temperature | 0~40°C | | | | |
| Relative Humidity (No condensation) | 20%~90% | | | | |
| Altitude | ≤5000（ above 1000meters,rated power derating1% every 100meters ） | | | | |
| Cooling | Forced cool air | | | | |
| Noise dB | 45~65（1m from the machine） | | | | |
| Color | Black(Optional) | | | | |
| Weight（kg） | 190-340 | 450-750 | 750-950 | 1100-1600 | 1800-2300 |
| Dimension(W*D*H mm | 600*600*1600 | 800*600*1600 | 805*800*1800 | 1005*900*1800 | 1100*1340*1920 |

The above data are for reference only and are subject to change without prior notice. Special voltage can be customized.