



## OFF GRID INVERTER

### PSI Series three phases inverter



#### Product introduction:

This series of three-phases off-grid inverters are high-efficiency and high-performance three-in-three-out inverter products. They are 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 options 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

Series	PSI					
Output power(KVA)	10/15/20/30	40/50/60	80/100/120	160/200	250/300	400
Rated DC voltage(VDC)	220/360/384		360/384		384	
Phase	Three phases+N+G					
Nominal voltage(VAC)	380/400					
Nominal frequency(Hz)	50/60					
Current peak factor	3:1					
Output waveform	Pure sine wave					
THD	Liner load<3%; Non-liner load < 5%					
Dynamic load voltage transients	<±5%					
Load voltage	<±3% (Balanced load); <±5% (unbalanced load)					
Overload capacity	125% 10mins, 150% 1min					
Inverter efficiency, load 100%	>92%					
Computer communication interface	RS232 (485 Network remote monitoring optional)					
Operating temperature(°C)	10~40					
Humidity	20%~90%					
Altitude	≤5000 (above 1000 meters. rated power derating 1% every 100 meters)					
Cooling	Forced cool air					
Noise(dB)	45~65 (1m from the machine)					
Weight(KG)	220-390	490-780	850-1050	1200-1400	1600-1800	2100
Dimension(D*W*H) mm	600*600*1350	600*800*1350	800*805*1800	900*1005*1800	1100*1150*1920	1100*1250*1920