



WKC F01 48-1.5~10k-A

Off-grid photovoltaic energy storage inverter

- Use with 48V energy storage battery
- Multiple charging modes to choose from, maximize energy utilization
- Easy for users to install and use
- With lithium battery, photovoltaic activation and other unique functions
- Support remote monitoring of equipment operating parameters
- Efficient heat dissipation, extend system life
- Support touch screen and button operation

About Yangzhou ANTOFO

- ANTOFO New Energy adheres to independent research and development, independent manufacturing, and builds a solid technical foundation
- Professional team escort, assist customers throughout the process, and provide solid after-sales guarantee
- Strictly select high-quality raw materials and precision components to create stable, reliable, and cost-effective power products
- Adhere to the corporate values of customer first, pragmatic innovation, collaborative win-win, and pursuit of excellence, and fully empower customers



| Model: WKC | F01 48-1.5k-A | F01 48-3k-A | F01 48-6k-A | F01 48-10k-A |
|--|--|---------------|-------------|---------------|
| Inverter output | | | | |
| Rated output power | 1.5kW | 3.2kW | 6.2kW | 10kW |
| Peak power | 1.9kVA | 4kVA | 7.8kVA | 12kVA |
| Rated output voltage | 110Vac(single-phase) | | | |
| Starting motor capability | 2HP | | | |
| Rated frequency | 60Hz | | | |
| Output waveform | Pure sine wave | | | |
| Switching time | 0ms | | | |
| Battery | | | | |
| Type | Lead acid batteries/Lithium ion batteries/User defined | | | |
| Rated battery voltage | 48V | | | |
| Battery voltage range | 42~56Vdc | | | |
| Maximum generator/mains charging current | 30A | 60A | | |
| Maximum hybrid charging current | 90A | 120/160A | 160A | 180A |
| Photovoltaic input | | | | |
| MPPT channels | 1 | | | 2 |
| Maximum Input Power | 1600W | 5600W | | 7000W |
| Maximum photovoltaic charging current | 60A | 60/100A | 100A | 120A |
| Maximum open circuit voltage | 200Vdc | | | 450Vdc |
| MPPT operating voltage range | 70~130Vdc | | | 70~320Vdc |
| Municipal power/generator input | | | | |
| Input Voltage | 170~280Vac | | | |
| Input frequency range | 50/60Hz | | | |
| Overload current of mains power | 30A | 40A | | 70A |
| Efficiency | | | | |
| MPPT tracking efficiency | 99.9% | | | |
| Maximum battery inverter efficiency | 85% | | | |
| Basic parameters | | | | |
| Package size | 635*405*282mm | 680*435*282mm | | 820*530*335mm |
| weight | 20kg | 24.5kg | 31.5kg | 72kg |
| protection grade | IP20 indoor only | | | |
| Working temperature range | -10°C~55°C | | | |
| External module (optional) | Wi-Fi | | | |
| Humidity range | 5%~95% | | | |
| Cooling method | Built-in fan | | | |
| Warranty period | 3 years | | | |
| communication | RS485/CAN/USB/dry contact | | | |
| topology | Power frequency transformer | | | |
| Certification standards | RoHs/EN61000/IEC 62109/PSE circular certification | | | |
| Protection function | | | | |

Equipped with PV current and power limiting protection, PV night time anti reverse charging protection, mains input overvoltage protection, mains input undervoltage protection, battery overvoltage protection, battery undervoltage protection, load output short circuit protection, radiator over temperature protection, overload protection, PV anti reverse protection, AC backflow protection, mains overcurrent protection, battery input overcurrent protection, battery input protection, and charging short circuit protection.