



WKC F01 12-1.5k-A

Off-grid photovoltaic energy storage inverter

- Use with 12V 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 12-1.5k-A
Inverter output	
Rated output power	1.5kW
peak power	1.9kVA
rated output voltage	115VAC (Split-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	12V
Battery voltage range	10.5~15Vdc
Maximum generator/mains charging current	60A
Maximum hybrid charging current	120A
Photovoltaic input	
MPPT channels	1
Maximum Input Power	1240W
Maximum photovoltaic charging current	60A
Maximum open circuit voltage	200Vdc
MPPT operating voltage range	50~164Vdc
Municipal power/generator input	
Input Voltage	85~140Vac
Input frequency range	60Hz
Overload current of mains power	15A
Efficiency	
MPPT tracking efficiency	99.9%
Maximum battery inverter efficiency	85%
Basic parameters	
Package size	635*405*282mm
weight	20kg
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	Low Frequency Isolation 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.