

Off-grid Energy Storage Inverter Series

This 6.2kW off grid inverter, also known as the inverter control integrated machine, has inverter and charging control functions. It mainly consists of MPPT units, bidirectional DCDC units, and bidirectional DCAC units.



Efficient integration

Built-in 100/120A MPPT solar charger

Flexible

Wide PV input voltage range 60VDC~500VDC

Intelligent control

User-adjustable charging current and voltage

VersaGrid

Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup

Scalability

Parallel operation up to 12 units

Connectivity

Built-in WiFi for mobile monitoring and OTA(Android/iOS APP available)



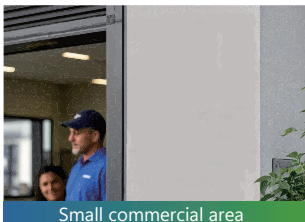
Off-grid or unstable power grid



Emergency supply



Motor home



Small commercial area



Livestock farm



Small family

MODEL	TG-OFG-6K2
Rated Power	6200VA/6200W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(UPS);90-280VAC(Appliances)
Frequency Range	50/60Hz(Auto Sensing)
OUTPUT	
Nominal Voltage	230VAC (Settable)
Surge Power	12400VA
Frequency	50/60Hz
Waveform	Pure Sine Wave
Transfer Time	10ms(UPS);20ms(Appliance)
Peak Efficiency(PV to INV)	96%
Peak Efficiency(Battery to INV)	93%
Overload Protection	60s@105%~110%Load;10s@110%~140%Load;5s@ 140%Load
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximun PV Array Power	6500W
Maximun PV Array Open Citcuti Voltage	500VDC
MPPT OPERating Voltage Range	60VDC~450VDC
Maximun PV Input Current	27A
Maximun Solar Charge Current	120A
Maximun AC Charge Current	100A
Maximun Charge Current(PV+AC)	120A
PHYSICAL	
Product Dimension D*W*H(mm)	418*300*122
Packing Dimension D*W*H(mm)	495*395*215
Net Weight(kg)	9
Communication Interface	RS232/RS485(BMS)/Bluetooth/WiFi/Dry-contact
Lithium Battery Activation	YES(By PV or Utility)
Parallel Capacity	YES(12 PCS)
OPERATING ENVIRONMENT	
Operating Temperature Range	-10 ~50
Storage temperature	-15 ~60
Humidity	5%~95%Relative Humidity(Non-condensing)
*Product specifications are subject to change without further notice	