

# SOLAR Inverters

## Off-Gid Single Phase 3KVA & 5KVA

Designed with zero transfer time perfect for critical devices such as servers and ATM. It's equipped with powerful 140A super charger, 80A MPPT solar charger and 60A AC charger. Detachable LCD control module allows users to remotely monitor this inverter. It's also able to expand power capacity to 45KW with 9 units in parallel operation.



**Zero MS**  
Transfer time protects mission-critical loads such as servers and ATM.



**Bluetooth**  
Monitor your device from your smartphone with Android app available.



**USB**  
On-The-Go function to transfer your data without a pc or laptop.

## GENERAL SPECIFICATIONS

- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Parallel operation up to 9 units

# SOLAR Inverters

Off-Gid Single Phase  
3KVA & 5KVA



MODEL	INV1003FSK	INV1005FSK
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capability	Up to 9 units	
INPUT		
Voltage	230 VAC	
Voltage Range	110-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%	
Output THDv	$\leq$ 3% for linear load, $\leq$ 8% for non-linear load	
Surge Power	6000VA for 5 sec	10000VA for 5 sec
Efficiency (Peak)	93 % at Line Mode, 90% at Battery Mode	
Transfer Time	0 ms	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27VDC	54 VDC
Overcharge Protection	34 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum PV Array Power	1500W	4000W
MPP Range @ Operating Voltage	30 ~ 115 VDC	60 ~ 115 VDC
Maximum Solar Charge Current	60A	80A
Maximum AC Charge Current	60A	60A
Maximum Charge Current	120A	140A
PHYSICAL		
Dimensions D x W x H (mm)	140 x 303 x 525	
Net Weight (kgs)	13	13.5
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 50°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.