

SOLAR Inverters

Off-Grid Single Phase 3.6KVA & 7.2KVA

High performance off-grid inverter with 80A MPPT solar charger. It features multiple communications with WiFi, USB On-The-Go and dry contact. It is very diverse and flexible, can connect to remote control panel and even has a DC output for small electronic devices and a customizable status LED bar with RGB lights. The INV1072 FS model can connect in parallel with up to 6 devices for ultimate performance.



WiFi
Connect to your network. Get notifications, change parameters and monitor performance live.



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



RGB light
Different colors for output source from PV, Grid or battery and battery charge/discharge status.

GENERAL SPECIFICATIONS

- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring (Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation up to 6 units only available for 7.2KVA

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MODEL	INV1036FS	INV1072 FS
Rated Power	3600VA/3600W	7200VA/7200W
Parallel Capability	N/A	Up to 6 units
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	
Surge Power	7500VA	15000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	15 ms (For Personal Computers), 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
No Load Power Consumption	< 45W	< 70W
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27VDC	54 VDC
Overcharge Protection	33 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	4000W	8000W (4000W x 2)
MPP Range @ Operating Voltage	120 ~ 450 VDC	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	80A	
Maximum AC Charge Current	80A	
Maximum Charge Current	80A	
PHYSICAL		
Dimensions D x W x H (mm)	147.4 x 432.5 x 553.6	
Net Weight (kgs)	14.1	18.4
Communication Interface	USB/RS232/RS485/Wifi/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
STANDARD		
Safety Compliance	CE	

Product specifications are subject to change without further notice.