

ON-GIRD INVERTER



1PH/3PH

suitable for either single phase or three-phase applications



Parallel Mode



DSP control technology

BENEFITS

- ✓ Advanced DSP control technology delivers accurate data
- ✓ Built-in smart MPPTs to enhance overall efficiency
- ✓ Up to 96% high conversion efficiency
- ✓ Modulized design for easy maintenance
- ✓ Industrial-grade components used for robust operation
- ✓ Data log up to 15 years
- ✓ IP 65 protection for outdoor and harsh environment
- ✓ 1-year product warranty
- ✓ Optional monitoring software

APPLICATION



Air cooler
750 VA



Washing machine
1000 VA



Micro-oven
1250 VA



Refrigerator
1250 VA



Server
1800 VA



Vacuum cleaner
2000 VA



Control center
2200 VA

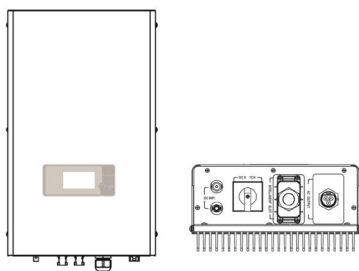


Dishwasher
2700 VA

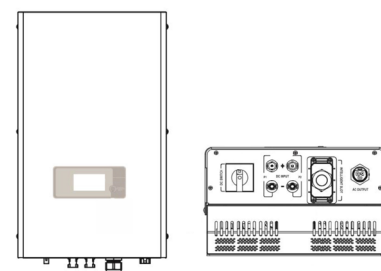


AC-2.5 Ton
4000 VA

SCHEMATIC



1.5KVA & 2KVA & 3KVA



5KVA

FEATURES



Pure sine wave output



Built in 60A big charger



Backup time capability



Technology protects against short circuit



Protection for outdoor and harsh environment



SPECIFICATION

MODEL NUMBER	FA-ON-INV-1500VA	FA-ON-INV-2000VA	FA-ON-INV-3000VA	FA-ON-INV-5000VA
Max. PV Array Power	1650W	2200W	3300W	5000W
Rated Output Power	1500W	2000W	3000W	5000W
Maximum PV Array Open Circuit Voltage	500 VDC			
MPPT Range @ Operating Voltage	15 VDC - 450 VDC	170 VDC - 450 VDC	180 VDC - 500 VDC	250 VDC - 500 VDC
MPP Tracker Number	1		2	
GRID OUTPUT (AC)				
Nominal Output Voltage	220/230/240 VAC			
Output Voltage Range	184-264 VAC			
Nominal Output Current	6.6A	8.7A	13A	20A
AC Grid Frequency	50H Hz/60 Hz			
Power Factor	> 0.99			
Maximum Efficiency	96%			
PROTECTION				
DC Reserve-Polarity Protection	Yes			
Ground Fault Monitoring	Yes			
Grid Monitoring	Yes			
AC Short Circuit Protection	Yes			
Over Current Protection	Yes			
GENERAL				
Dimension, D x W x H (mm)	160 X 270 x 450		182 x 308 x 515	
Net Weight (kgs)	12.7		20.5	
Intelligent Slot	USB & RS-232 Card/Option: SNMP card and Modbus card			
Humidity	0-100% RH (Non-condensing)			
Operating Temperature	-25°C to 50°C			
Altitude	0 ~ 1000			



Technology protects against overload



Up to 96% high conversion efficiency



wide input voltage range



Monitor and calculate the accurate saving energy



Technology protects against reverse polarity