

3-PHASE HYBRID INVERTER



APPLICATION



Dishwasher
2700 VA



Communication center
6700 VA



AC-5 Ton
8000 VA

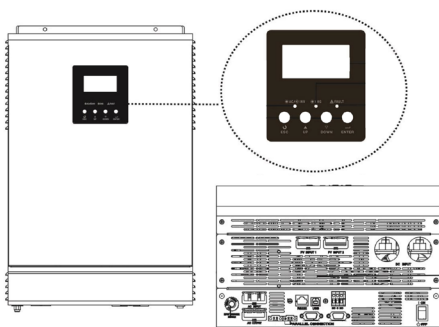


House Backup
8000 VA

BENEFITS

- ✓ Pure sine wave output
- ✓ Self-consumption and feed-in to the grid
- ✓ Programmable supply priority for PV, Battery or Grid
- ✓ User-adjustable charging current and voltage
- ✓ Programmable multiple operation modes: Grid-tie (with battery connected), off-grid and grid-tie with backup
- ✓ Built-in timer for various mode of on/off operation
- ✓ Multiple communication for USB, RS-232, Modbus and SNMP
- ✓ Monitoring software for real-time status display and control
- ✓ Parallel operation up to 6 units for 5KW and 10KW

SCHEMATIC



FEATURES



Pure sine wave output



Bi-direction concept



Separated to operate in different operation modes



Automatic load sharing on AC and DC output



SPECIFICATION

MODEL NUMBER	FA-HINV-48V-10KVA
PHASE	3-phase in /3-phase out
Max. PV Array Power	14850W
Rated Output Power	10000W
Maximum Charging Power	9600W
Nominal DC Voltage/Max. DC Voltage	720 VDC/900 VDC
Start-up Voltage/Initial Feeding Voltage	320 VDC /350 VDC
MPP Voltage Range	400 VDC-800 VDC
Number of MPP Trackers/Maximum Input Current	2/2*18.6A
Nominal Output Voltage	230 VAC (P-N)/ 400 VAC (P-P)
Output Voltage Range	184-265 VAC* per phase
Nominal Output Current	14.5A per phase
Power Factor	> 0.99
Maximum Conversion Efficiency (DC/AC)	96%
European Efficiency@Vnominal	95%
AC start-up Voltage/Auto Restart Voltage	120-140 VAC per phase /180 VAC per phase
Acceptable Input Voltage Range	170-280 VAC per phase
Max. AC Input Current	40A
Max. DC Voltage	900 VDC
MPP Voltage Range	400 VDC-800 VDC
Number of MPP Trackers/Max. Input Current	2/2*18.6A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N)/400 VAC (P-P)
Output Waveform	Pure sine wave
Efficiency (DC to AC)	91%
HYBRID OPERATION	
Nominal DC Voltage/Max. DC Voltage	720 VDC/ 900 VDC
Start-up Voltage/Initial Feeding Voltage	320 VDC/ 350 VDC
MPP Voltage Range	400 VDC~800 VDC
Number of MPP Trackers/Max. Input Current	2/2x18.6A
Nominal Output Voltage	230 VAC (P-N)/400 VAC (P-P)
Output Voltage Range	184-264.5 VAC* per phase
Nominal Output Current	14.5A per phase
Dimension, D x W x H (mm)	167.5 x 500 x 622
Net weight (kgs)	45
Operating Temperature	-10 to 55 °C



Inverter, AC/DC charger or PV charger



Technology protects against short circuit



Technology for instant change-over between power and battery and vice-versa



Technology protects against reverse polarity