

ON-Grid Inverter With Energy Storage

HYG 5032

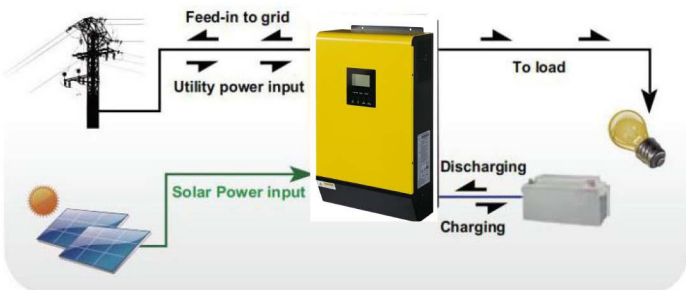
Operation without battery



1. Pure sine wave output
2. Self-consumption and Feed-in to the grid
3. Programmable supply priority for PV, Battery or Grid
4. User-adjustable charging current and voltage
5. Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
6. Monitoring software for real-time status display and control
7. Parallel operation up to 9 units
8. Battery Independent system

Hybrid Operation

● With battery connected



● Without battery connected



HYG5032 On-Grid Inverter With Energy Storage Selection Guide

Model	HYG 5032
Max.PV Array Power	5000W
Rated Output Power	5000W
Maximum PV Array Open Circuit Voltage	450VDC
MPPT Range @Operating Voltage	120 VDC~430 VDC
MPPT Tracker Number	1
GRID-TIE OPERATION	
GIRD OUTPUT(AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184-264.5VAC or 195.5-253 VAC(Selectable)
Nominal Output Current	21.7A
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	95%

OFF-GRID, HYBRID OPERATION	
GRID INPUT	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Frequency Range	50Hz/60Hz(Auto sensing)
Maximum AC Input Current	40A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240/VAC
Output Waveform	Pure sine wave
Efficiency (DCtoAC)	93%
BATTERY&CHARGER	
Nominal DC Voltage	48VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
GENERAL	
PHYSICAL	
Dimension,D*W*H(mm)	120*295*468
Net Weight(kgs)	12
INTERFACE	
Parallel Function	Yes,9 Units
Communication Ports	USB,RS-232 and dry contact
ENVIRONMENT	
Humidity	0~90%RH(Non-condensing)
Operating Temperature	-10℃ to 50℃

Product specifications are subject to change without further notice.