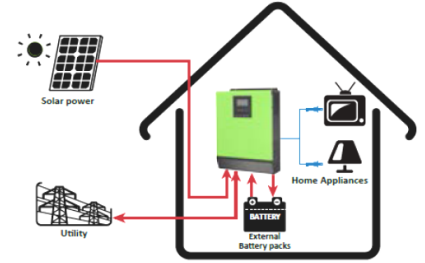


# HYBRID V SERIES

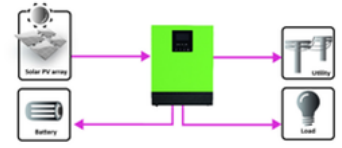
## Hybrid Solar Inverter



### Three Major Operating Modes

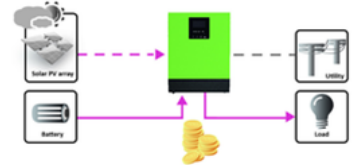
#### •Feed-in to Grid + Load + Battery Charging

With enough solar power, Hybrid V will convert solar power to power the load and charge the battery. The extra power will feed-in to Grid.



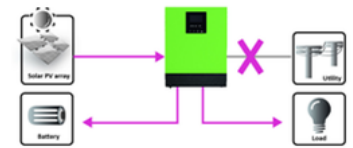
#### •Pay Less Electricity Bill

With sufficient solar power Hybrid V will convert solar power and get the battery energy to power the load by disconnect Grid automatically. Reduce dependence on Grid and your electricity bill



#### •Battery Backup when AC Fail

If Grid is not available, Hybrid V will direct power the load from the solar power and the extra solar energy would be used to charge the battery.



### MAIN FEATURES

- Pure sine wave output 1-5KW
- Hybrid Mode, Off-Grid Mode available
- Max PV input power from 1 up to 6KW
- Max PV input volt 145V
- Max solar charging up to 80A (1-4KW), 120A (5kw)
- Dual MPPT tracker on 5KW model
- Parallel operation up to 6 units (48V models only)
- Selectable grid feedback range (2 modes)
- Timer charging control
- Supports generator use (grid-tie disabled)\*
- Programmable parameters
- Max up to 60A utility charging
- Wide AC input range
- Lightweight, easy to install
- FREE monitoring software
- LCD Display + LED indicators
- USB, RS232 communication interface

\*\*requires inverter-type generator of acceptable output quality

HYBRID V SERIES	1012V	2024V	3048V	4048V	5048V
<b>STANDARD RATING</b>					
Continuous Output	1000W	2000W	3000W	4000W	5000W
System DC Volt	12V	24V	48V		
Parallel Ready	NO	No	Yes, up to 6 units max		
<b>PV INPUT / SOLAR CHARGING</b>					
Max PV Input Power	1000W	2000W	4000W	4000W	6000W
Max PV Input Volt	145VDC (open circuit Voc)				
MPPT Range	15 - 115VDC	30 - 115VDC	60 - 115VDC		
Number of PV Input	1	1	1	1	2
Max Charging Current	80A	80A	80A	80A	120A
<b>GRID TIE MODE</b>					
Nominal Output Volt	220/230/240VAC, Single Phase				
Feed-in Volt Range	184 - 264.5VAC				
Feed-in Volt Frequency	47.5 - 51.5Hz				
Max DC/AC Efficiency	>90%				
<b>OFF-GRID, HYBRID MODE</b>					
Output Waveform	Pure Sine Wave				
Nominal Output Volt	220/230/240VAC, Single Phase				
Frequency	50 / 60Hz, auto-sensing				
AC Input Transfer Relay	30A			40A	
Max Efficiency	>93%				
Max Utility Charging	60A				
Max Utility + Solar Charging	140A	140A	140A	140A	180A
<b>ENVIRONMENTAL / MECHANICAL SPECIFICATIONS</b>					
Communication Port	USB / Dry Contact		RS232 or USB / Dry Contact		
Operating Temp.	0 - 50°C				
Operating Humidity	0 - 90% RH (No Condensing)				
Dimension	440*300*100	440*300*100	468*295*120	468*295*120	483*295*190
Net Weight	8Kg	8Kg	11Kg	11Kg	16Kg