

3P HYBRID V SERIES

3-Phase 400V Hybrid Solar Inverter



HYBRID V 6,9K 3P

Max 64V Charging

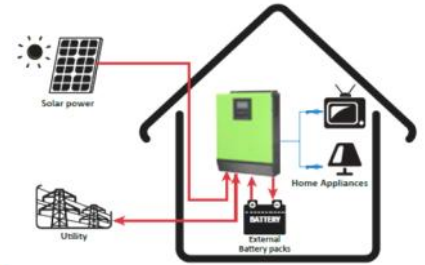
450V PV Input

MAIN FEATURES

- 3-Phase 6KW/9KW available
- Max PV input array up to 12KW
- Support batteryless operation
- Max PV input volt up to 450V
- 3 MPPT Trackers
- Pure sine wave output
- Hybrid Mode, Off-Grid Mode available
- Max solar charging up to 180A
- Max utility charging up to 180A
- Timer charging control
- Supports generator use (grid-tie disabled)*
- Programmable parameters
- Wide AC input range
- Efficient tower design, easy to install
- FREE monitoring software
- LCD display + LED indicators
- Generator dry contact
- USB, RS232 communication interface

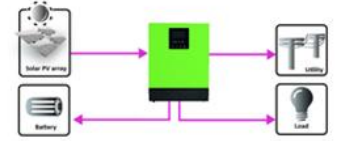
*requires inverter-type generator of acceptable output quality

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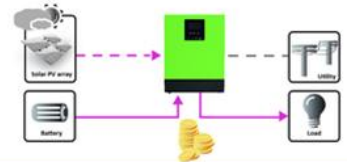


Three Major Operating Modes

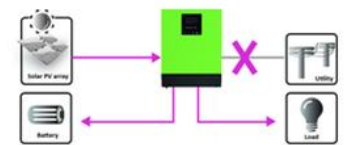
- **Feed-in to Grid + Load + Battery Charging**
With enough solar power, Hybrid V will convert solar power to power the load and charge the battery. The extra power will feed-in to Grid.



- **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 to load from the solar power and the extra solar energy would be used to charge the battery.



HYBRID V (3P) SERIES	6KW	9KW
STANDARD SPECS		
Input/Output type	3-phase only	
Max PV Array Power	9KW	12KW
Max Continuous Power	6KW	9KW
Max PV Input Voc	450VDC	
MPPT Range	120-400VDC	
MPPT Tracker	3	
GRID TIE MODE		
Nominal Output Volt	230V (P-N) / 400V (P-P)	
Output Voltage Range	195-253V per phase	
Nominal Output Current	8.7A per phase	13A per phase
Power Factor	>0.99	
Max DC/AC Efficiency	>95%	
OFF-GRID, HYBRID MODE		
AC Start-up / Restart Voltage	120-140V / 180V per phase	
Acceptable Input Volt Range	170-280V per phase	
Frequency	50/60Hz auto-sensing	
Max AC Input Current	20A per phase	30A per phase
Max DC/AC Efficiency	>95%	
Nominal Output Volt	230V (P-N) / 400V (P-P)	
Output Wave Form	Pure Sine Wave	
Max DC/AC Efficiency	>90%	
System Voltage	48VDC	
Max Solar Charging Current	120A	180A
Max AC Charging Current	120A	180A
Max Total Charging Current	120A	180A
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS		
Communication Port	USB or RS232 / Dry Contact	
Operating Temp.	0 - 50°C	
Operating Humidity	0 - 90% RH (No Condensing)	
Dimension (mm)	588*655*260	
Net Weight (kg)	38	42

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