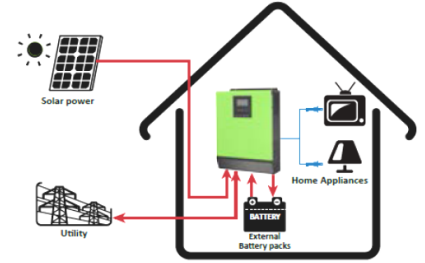


HYBRID V SERIES

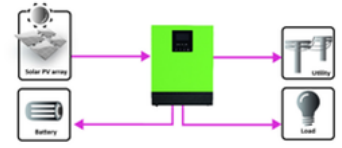
Hybrid Solar Inverter



Three Major Operating Modes

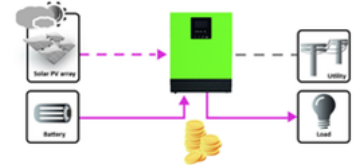
•Feed-in to Grid + Load + Battery Charging

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.



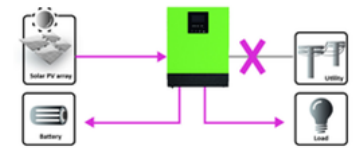
•Pay Less Electricity Bill

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
STANDARD RATING					
Continuous Output	1000W	2000W	3000W	4000W	5000W
System DC Volt	12V	24V	48V		
Parallel Ready	NO	No	Yes, up to 6 units max		
PV INPUT / SOLAR CHARGING					
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
GRID TIE MODE					
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%				
OFF-GRID, HYBRID MODE					
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
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS					
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

MPP Solar Inc. reserves the right to change product specification without notice. MPP Solar is a registered trademark.