

HYBRID V / V2 SERIES

220-240V Hybrid Solar Inverter

HV2-3K, 5K

Batteryless support

450V PV Max

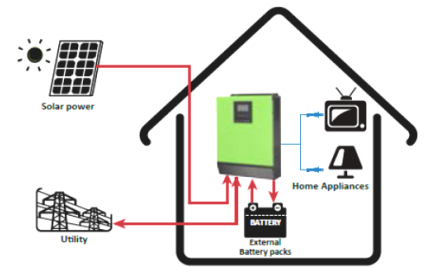
HV 3-5K

MAIN FEATURES

- **NEW! Max PV input up to 450V (V2 only)**
- **NEW! Parallel support up to 9 units**
- **NEW! Batteryless operation (V2 only)***
- Pure sine wave output 3-5KW
- Hybrid Mode, Off-Grid Mode available
- Max PV input power up to 6KW max
- Max PV input volt 145V
- Max solar charging up to 120A
- Dual MPPT tracker (HV 5k only)
- Timer charging control
- Supports generator use + genset starter dry contact (grid-tie disabled)**
- Programmable parameters
- Max up to 60A utility charging
- Lightweight, easy to install
- FREE monitoring software
- LCD Display + LED indicators
- USB, RS232 communication interface

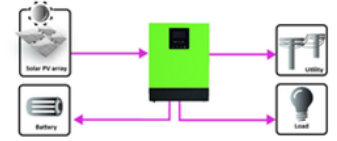
*Important: batteries **MUST** be connected when configuring in parallel operation!

**requires inverter-type generator of acceptable output quality

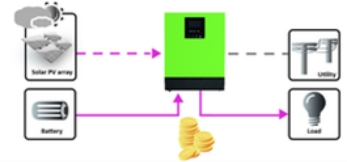


Three Major Operating Modes

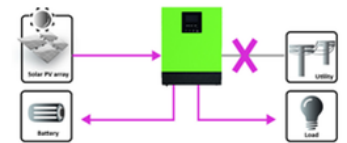
- **Feed-in to Grid + Load + Battery Charging**
With enough solar power, Hybrid V will convert solar power to power the load and charge the battery. The extra power will feed-in to Grid.



- **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/V2 SERIES	3048	4048	5048	V2-3048	V2-5048
STANDARD RATING					
Continuous Output	3000W	4000W	5000W	3000W	5000W
System DC Volt	48V			48V	48V
Parallel Ready	Yes, max 9				
PV INPUT / SOLAR CHARGING					
Max PV Input Power	4000W	4000W	6000W	4000W	5000W
Max PV Input Volt	145VDC (Voc)			450VDC (Voc)	
MPPT Range	60 - 145V			120-430V	
Number of PV Input	1	1	2	1	1
Max Charging Current	80A	80A	120A	60A	80A
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				
Nominal Output Current	13A	17.4A	21.7A	13A	21.7A
Max DC/AC Efficiency	>90%			>95%	
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	40A				
Max Efficiency	>93%				
Max Utility Charging	60A				
Max Utility + Solar Charging	140A	140A	180A	60A	80A
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS					
Communication Port	USB, RS232/Dry Contact				
Operating Temp.	0 - 50°C				
Operating Humidity	0 - 90% RH (No Condensing)				
Dimension (mm)	468*295*120	483*295*190		468*295*120	
Net Weight (kg)	11	11	16	11	12

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

Authorised Distributor

MonoSun Technology Co.,Ltd
Tel: 076-263717
Email: info@monosun.net
Website: www.monosun.net
12/493 ChaofaTawanTok Moo3 T.Wichit
A.Muang Phuket 83000