

HYBRID V / V2 SERIES

220-240V Hybrid Solar Inverter

HYBRID
V2-3048



Batteryless
support

450V
PV Max

HYBRID V 1-5K

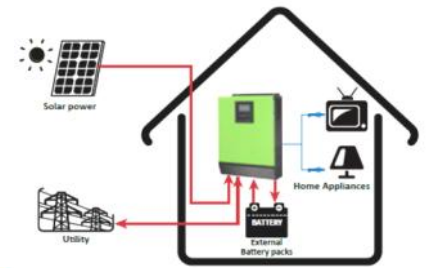
MAIN FEATURES

- NEW! Max PV input up to 450V (V2 only)
- NEW! Parallel support up to 9 units (V2 only)
- NEW! Batteryless operation (V2 only)*
- 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 120A
- Dual MPPT tracker on 5KW model
- Parallel operation up to 6 units (48v)
- 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

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

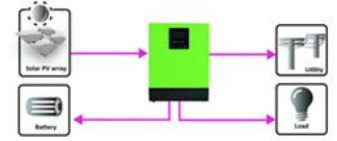
**requires inverter-type generator of acceptable output quality

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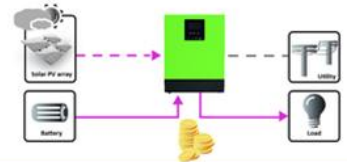


Three Major Operating Modes

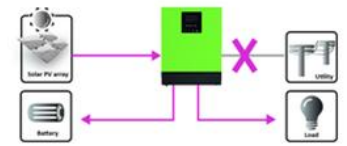
- **Feed-in to Grid + Load + Battery Charging**
With enough solar power, Hybrid V will convert solar power to power the load and charge the battery. The extra power will feed-in to Grid.



- **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/V2 SERIES	1012	2024	3048	4048	5048	V2-3048
STANDARD RATING						
Continuous Output	1000W	2000W	3000W	4000W	5000W	3000W
System DC Volt	12V	24V		48V		48V
Parallel Ready	NO	No		Yes, max 6		Yes, max 9
PV INPUT / SOLAR CHARGING						
Max PV Input Power	1000W	2000W	4000W	4000W	6000W	4000W
Max PV Input Volt	145VDC (open circuit Voc)					450VDC
PV Input Range	15 - 145V	30 - 145V		60 - 145V		120-450V
MPPT Range (full solar)	15 - 115V	30 - 115V		60 - 115V		225-430V
Number of PV Input	1	1	1	1	2	1
Max Charging Current	80A	80A	80A	80A	120A	60A
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%					>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	30A			40A		40A
Max Efficiency	>93%					
Max Utility Charging	60A					
Max Utility + Solar Charging	140A	140A	140A	140A	180A	60A
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS						
Communication Port	USB or RS232 / Dry Contact					USB, RS232/Dry
Operating Temp.	0 - 50°C					
Operating Humidity	0 - 90% RH (No Condensing)					
Dimension (mm)	440*300*100		468*295*120	483*295*190		468*295*120
Net Weight (kg)	8	8	11	11	16	11

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