

FlinInfini 15kW-48V Solar Hybrid Inverter

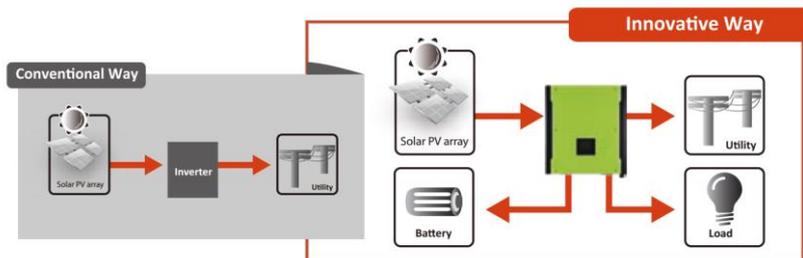
On-grid Hybrid Inverter with Energy Storage



- Pure sinewave output
- Microprocessor controlled to guarantee stable charging system
- Multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in MPPT solar charger
- LCD Display panel for comprehensive information
- Multiple communication for USB, RS-232, Modbus and SNMP
- User-adjustable battery charging current up to 300A
- Parallel up to 6 inverters to make 90kW

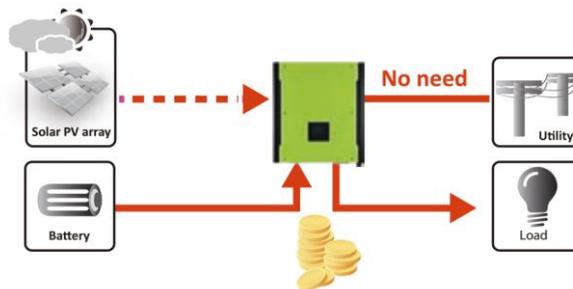
■ Feed-in is not the only choice

In comparison with conventional solar grid-tie inverter, FlinInfini is able to not only feed-in power to grid but also store power to battery for future usage and directly power to the load.



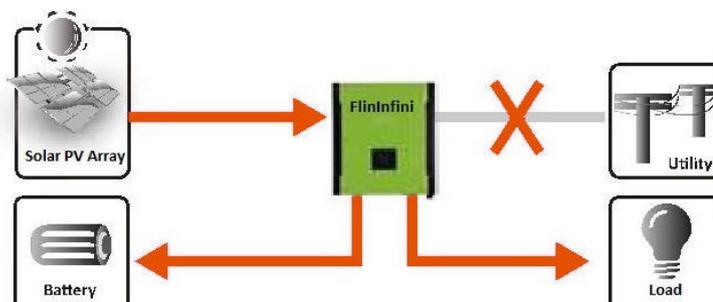
■ Save money by discharging battery for self-consumption first

FlinInfini can save money by using battery power first when PV energy is low. If battery voltage is low, FlinInfini will extract AC power from grid.



■ Power Backup when AC Fails

FlinInfini can also work as on off-grid inverter to provide continuous power even when there is no power from grid. It is a solution for you if you would like to fee-in but also have power during power cuts.



FlinInfini On-Grid Inverter with Energy Storage



- Self-consumption and Feed-in to the grid
- Programmable supply for priority for PV, Grid or Battery
- User-adjustable charging current up to 300A
- Programmable multiple operations mode: Off grid, Grid-tie and grid-tie with backup
- Built-in timer for various modes of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real time status display and control
- Parallel up to 6 inverters

MODEL		15KW-48V
Phase	3 Phase In, 3 Phase Out	
Rated Output Power	15000 W	
Maximum Charging Power	15000 W	
PV INPUT (DC)		
Maximum DC Power	22500 W	
Nominal DC Voltage	720 VDC	
Maximum DC Voltage	900 VDC	
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC	
MPP Voltage Range	400 VDC ~ 800 VDC	
Number of MPP Trackers	2	
Maximum Input Current	37.76A & 18.6A	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Frequency	50 Hz / 60 Hz (auto sensing)	
Output Waveform	Pure Sinewave	
Efficiency (DC to AC)	91%	
GRID-TIE OPERATION		
GRID OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 264.5 VAC per phase	
Output Frequency Range	47.5 ~ 51.5 Hz or 59.3 ~ 60.5 Hz	
Nominal Output Current	21.7 A per phase	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	> 96%	
European Efficiency @ Vnominal	> 95%	
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage/ Auto Restart Voltage	120 - 140 VAC per phase/ 180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Maximum AC Input Current	40 A	
HYBRID OPERATION		
GRID/UTILITY OUTPUT (AC)		
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 264.5 VAC per phase	
Output Frequency Range	47.5 ~ 51.5 Hz or 59.3 ~ 60.5 Hz	
Nominal Output Current	14.5 A per phase	
AC INPUT		
AC Start-up Voltage/ Auto Restart Voltage	120 - 140 VAC per phase/ 180 VAC per phase	
Acceptable Input Voltage Range	170 - 280 VAC per phase	
Maximum AC Input Current	40 A	
BATTERY & CHARGER		
Nominal Battery Voltage	48 VDC	
Maximum Charging Current	Default 60 A, 5A - 300 A (adjustable)	
GENERAL		
PHYSICAL		
Dimension, D X W X H (mm)	820 x 650 x 219	
Net Weight (kgs)	62	
INTERFACE		
Communication Port	RS-232/USB and CAN interface	
Intelligent Slot	Optional SNMP, Modbus, and AS-400 cards available	
ENVIRONMENT		
Humidity	0 ~ 90% RH (No condensing)	
Operating Temperature	-10°C to 55°C	
Altitude	0 ~ 1000 m**	

** Power derating 1% every 100m when altitude is over 1000m.

Product specifications are subject to change without further notice