

FlinInfini Lite Solar Hybrid Inverter

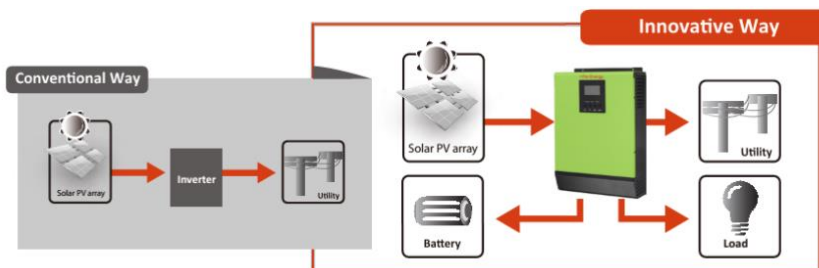
On-grid Hybrid Inverter with Energy Storage



- **Low Solar Panel Setup Cost:** With the MPPT operating range, setup the solar panel with less cost at initial stage and expand easily in future
- **Flexibility of Solar Panel selection:** With the isolated solar input design, FlinInfini Lite is available for all kinds of solar panels.
- **Very Powerful High Charging Current:** FlinInfini Lite model is built in with 60A AC charger and 80A solar charger
- **High DC-AC Conversion Efficiency:** 93% of DC-AC conversion efficiency helps to maximize power availability for connected load with minimize energy loss.

■ Feed-in to Grid + Load + Battery Charging

With enough solar power, FlinInfini Lite converts the solar power to power the load and charge the battery. The extra power will feed-in to the Grid.



■ Pay Less Electricity Bill

FlinInfini Lite uses solar power to power the load directly. If solar power is not enough, it will use the battery energy to power the load. Only if both solar power is low and battery voltage is low, it will draw power from the Grid



■ Battery Backup when AC Fail

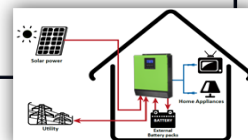
If the Grid is not available, FlinInfini Lite will power the load directly from the solar power and the extra solar energy would be used to charge the battery.



FlinInfini Lite : On-Grid Inverter with Energy Storage



- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Customizable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Multiple opérations : Grid-tie, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units is available for 3K/4K/5K



MODEL	FlinInfini Lite 2kW-24V	FlinInfini Lite 4kW-48V	FlinInfini Lite 5kW-48V
Max. PV Array Power	2000W	4000W	6000W
Rated Output Power	2000W	4000W	5000W
Maximum PV Array Open Circuit Voltage	145 VDC	145 VDC	145 VDC
MPPT Range @ Operating Voltage	30 VDC ~ 115 VDC	60 VDC ~ 115 VDC	60 VDC ~ 115 VDC
Number	1	1	2
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 264.5 VAC		
Nominal Output Current	8.7A	17.4A	21.7A
Power Factor	> 0.99		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	90%		
OFF-GRID, HYBRID OPERATION			
GRID INPUT			
AC Start-up Voltage / Auto Restart Voltage	120-140 VAC / 180 VAC		
Acceptable Input Voltage Range	170 -280 VAC		
Maximum AC Input Current	30A	40A	
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	202/208/220/230/240 VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	93%		
BATTERY & CHARGER			
Nominal DC Voltage	24 VDC	48 VDC	48 VDC
Maximum Solar Charge Current	80 A		120 A
Maximum AC Charge Current	60 A		
Maximum Charge Current	140 A		180 A
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	100 x 300 x 450	120 x 295 x 468	194 x 295 x 455
Net Weight (kgs)	8	11	16
INTERFACE			
Parallel Function	N/A	Yes	Yes
External Safety Box (Optional)	Yes		
Communication	USB/Dry contact		
ENVIRONMENT			
Humidity	0 ~ 90% RH (No condensing)		
Operating Temperature	0 to 50°C		

Product specifications are subject to change without further notice