

# IGrid SV II Operation without battery



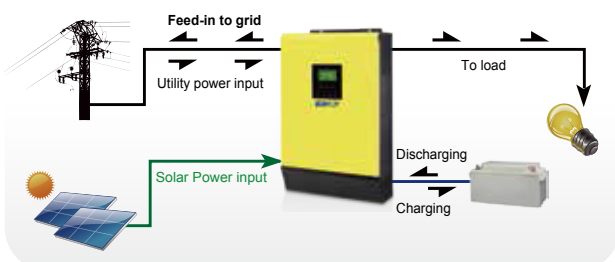
IGrid SV 1.5KW II IGrid SV 2KW/3KW/5KW II

- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 9 units only for 2KW/3KW/5KW models
- Battery Independent system

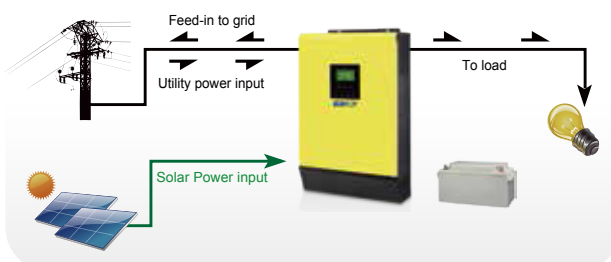
On-Grid Inverter

## Hybrid operation

• With battery connected



• Without battery connected



## IGrid SV II On-Grid Inverter With Energy Storage Selection Guide

MODEL	IGrid SV II 1.5KW	IGrid SV II 2KW	IGrid SV II 3KW	IGrid SV II 5KW
Max. PV Array Power	2000W	3000W	4000W	5000W
Rated Output Power	1500W	2000W	3000W	5000W
Maximum PV Array Open Circuit Voltage	400 VDC	450 VDC	450 VDC	450 VDC
MPPT Range @ Operating Voltage	120 VDC ~ 380 VDC	90 VDC ~ 430 VDC	120 VDC ~ 430 VDC	120 VDC ~ 430 VDC
MPP Tracker Number	1	1	1	1
<b>GRID-TIE OPERATION</b>				
<b>GRID OUTPUT (AC)</b>				
Nominal Output Voltage	220/230/240 VAC			
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)			
Nominal Output Current	6.5A	8.7A	13A	21.7A
Power Factor	> 0.99			
<b>EFFICIENCY</b>				
Maximum Conversion Efficiency (DC/AC)	95%	95%	95%	95%
<b>OFF-GRID, HYBRID OPERATION</b>				
<b>GRID INPUT</b>				
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
Maximum AC Input Current	30A	30A	40A	40A
<b>BATTERY MODE OUTPUT (AC)</b>				
Nominal Output Voltage	220/230/240 VAC			
Output Waveform	Pure sine wave			
Efficiency (DC to AC)	93%			
<b>BATTERY &amp; CHARGER</b>				
Nominal DC Voltage	48 VDC			
Maximum Solar Charge Current	30 A	60 A	60 A	80 A
Maximum AC Charge Current	40 A	60 A	60 A	80 A
Maximum Charge Current	40 A	60 A	60 A	80 A
<b>GENERAL</b>				
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	100 x 300 x 440	120 x 295 x 468	120 x 295 x 468	120 x 295 x 468
Net Weight (kgs)	8	11	11	12
<b>INTERFACE</b>				
Parallel Function	N/A	Yes, 9 units	Yes, 9 units	Yes, 9 units
Communication Ports	USB, RS-232 and dry contact			
<b>ENVIRONMENT</b>				
Humidity	0 ~ 90% RH (Non-condensing)			
Operating Temperature	-10°C to 50°C			

Product specifications are subject to change without further notice.