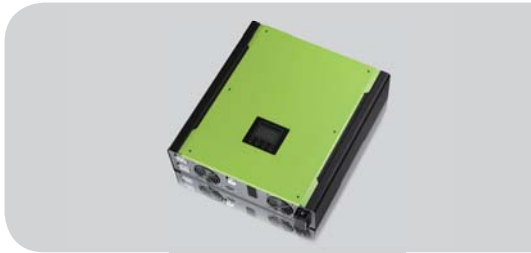


IGrid Hybrid Inverter with Energy Storage



- 2KW/3KW Hybrid Inverter with Energy Storage
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operations modes: Grid tie, Off grid, and grid-tie with backup
- Built-in timer for various mode of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real time status display and control

IGrid Hybrid Inverter with Energy Selection Guide

MODEL	IGrid SS 2KW	IGrid SS 3KW	IGrid SS Plus 3KW
PHASE	1-phase in / 1-phase out		
RATED OUTPUT POWER	2000 W	3000 W	3000 W
MAXIMUM CHARGING POWER	1200 W	1200 W	1200 W
GRID-TIE OPERATION			
PV INPUT (DC)			
Maximum PV Input Power	2250W	3200W	4500W
Nominal DC Voltage / Maximum DC Voltage	300 VDC / 350 VDC	360 VDC / 500 VDC	
Start-up Voltage / Initial Feeding Voltage	80 VDC / 120 VDC	116 VDC / 150 VDC	
MPP Voltage Range	150 VDC ~ 320 VDC	250 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum Input Current	1 / 1 x 15 A	1 / 1 x 13 A	1 / 1 x 18 A
GRID OUTPUT (AC)			
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC	
Output Voltage Range	88 - 127 VAC*	184 - 264.5 VAC*	
Nominal Output Current	18 A	13 A	13 A
Power Factor	> 0.99		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	95%	96%	96%
European Efficiency@ Vnominal	94%	95%	95%
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	60 - 70 VAC / 85 VAC	120 - 140 VAC / 180 VAC	120 - 140 VAC / 180 VAC
Acceptable Input Voltage Range	80 - 130 VAC	170 - 280 VAC	170 - 280 VAC
Maximum AC Input Current	30 A		
PV INPUT (DC)			
Maximum DC Voltage	350 VDC	500 VDC	
MPP Voltage Range	150 VDC ~ 320 VDC	250 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum Input Current	1 / 1 x 15 A	1 / 1 x 13 A	1 / 1 x 18 A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	101/110/120/127 VAC	202/208/220/230/240 VAC	
Output Waveform	Pure Sinewave		
Efficiency (DC to AC)	90%	93%	93%
HYBRID OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	300 VDC / 350 VDC	360 VDC / 500 VDC	
Start-up Voltage / Initial Feeding Voltage	80 VDC / 120 VDC	116 VDC / 150 VDC	
MPP Voltage Range	150 VDC ~ 320 VDC	250 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum Input Current	1 / 1 x 15 A	1 / 1 x 13 A	1 / 1 x 18 A
GRID OUTPUT (AC)			
Nominal Output Voltage	101/110/120/127 VAC	202/208/220/230/240 VAC	
Output Voltage Range	88-127 VAC*	184 - 264.5 VAC*	
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Acceptable Input Voltage Range	80 - 130 VAC	170 - 280 VAC	170 - 280 VAC
Maximum AC Input Current	30 A		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	101/110/120/127 VAC	202/208/220/230/240 VAC	
Efficiency (DC to AC)	90%	93%	93%
BATTERY & CHARGER			
Nominal DC Voltage	48 VDC		
Maximum Charging Current	25A		
GENERAL			
PHYSICAL			
Dimension, D X W X H (mm)	107 x 438 x 480		
Net Weight (kgs)	15.5		
INTERFACE			
Communication Port	RS-232/USB		
Intelligent Slot	Optional SNMP, Modbus, and AS-400 cards available		
ENVIRONMENT			
Humidity	0 ~ 90% RH (No condensing)		
Operating Temperature	0 to 40°C		0 to 40°C
Altitude	0 ~ 1000 m**		

*These figures may vary depending on different AC voltage and country requirements.

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

Product specifications are subject to change without further notice.

CE VDE-AR-N 4105
VDE 0126-1-1

AS4777, AS/NZS3100 (Only for IGrid SS3Plus 3KW)

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