

IGrid SV-IV



- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Supports USB On-the-Go function
- Data log events stored in the inverter
- 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
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Parallel operation up to 9 units

IGrid SV IV On-Grid Inverter with Energy Storage Selection Guide

MODEL	IGrid SV-IV 3.6KW		IGrid SV-IV 5.6KW
PHASE	1-phase in / 1-phase out		
MAXIMUM PV INPUT POWER	5000W		6000W
RATED OUTPUT POWER	3600W		5600W
MAXIMUM CHARGING POWER	5000W		6000W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC		360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC		110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A		1 / 27 A
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)		
Nominal Output Current	15.6A		24.3A
Power Factor	> 0.9		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	96%		96%
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC		
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC		
Maximum AC Input Current	40 A		40 A
PV INPUT (DC)			
Maximum DC Voltage	500 VDC		450 VDC
MPP Voltage Range	120 VDC ~ 430 VDC		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A		1 / 27 A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure sinewave		
Efficiency (DC to AC)	93%		93%
HYBRID OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC		360 VDC / 450 VDC
Start-up Voltage / Initial Feeding Voltage	110VDC / 120 VDC		110VDC / 120 VDC
MPP Voltage Range	120 VDC ~ 430 VDC		120 VDC ~ 430 VDC
Number of MPP Trackers / Maximum Input Current	1 / 18 A		1 / 27 A
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)		
Nominal Output Current	15.6A		24.3A
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 180 VAC		
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC		
Maximum AC Input Current	40A		40A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Efficiency (DC to AC)	93%		93%
BATTERY & CHARGER			
Nominal DC Voltage	48 VDC		48 VDC
Maximum Solar Charging Current	100A		120A
Maximum AC Charging Current	100A		120A
Maximum Charging Current	100A		120A
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	140 x 295 x 468		
Net Weight (kgs)	11		12
INTERFACE			
Parallel Function	Yes, 9 units		
Communication Port	USB/RS232/RS485/Wifi/Dry-contact		
ENVIRONMENT			
Humidity	0 ~ 90% RH (Non-condensing)		
Operating Temperature	-10 to 50°C		

Product specifications are subject to change without further notice.