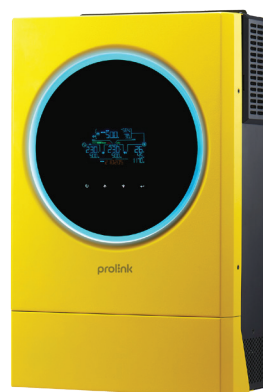


Energrid V IV Series

- Pure sine wave inverter
- Output power factor 1.0
- Customizable status LED ring with RGB lights
- Touchable button with 4.3" coloured 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 (Available in iOS/ Android App)
- Built-in BMS communication for Lithium-ion Batteries
- Parallel operation up to 9 units
- Battery independent design



Specifications

MODEL	Energrid V IV 3.6KM-48		Energrid V IV 5.6KM-48	
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	
INTERACE				
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.

Ver1.0_15.1.2024

Authorised Distributor/ Reseller:

Compatible with:



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