

Lithium battery Inverter Series



H₂
No Gas Emissions



More battery life





ADVANTAGES OF LITHIUM BATTERY INBUILT INVERTER



High Reliable



Easy To Handle



Save The Space



Short Recharge Time



Save Replacement Cost



Suitable In Different Ambient Temperature



Portable Generator



No Noise Pollution



Easy Wall Mounting



No Gas Emissions



Plug And Play Device



No Need Of Distilled Water



Zero Maintenance Battery



Free From Risk Of Acid



Built In Bms Protection



Advanced Technology



Competitive Pricing



Reduce Energy Cost



Eco Friendly



High Power/Energy Density



Pure Sinewave Output

SAFETY FEATURES IN ERIX LITHIUM INVERTER

Over Charge Protection.
Deep Discharge Protection.
DC&AC Fuse Protection.
Thermal Shock Protection.
Over Temperature Protection.
Low & High Volt Cut Off Protection.

Cell Balancing Protection.
Short Circuit Protection.
Over Current Protection.
Reverse Polarity Protection.
Over Temperature Protection.
Penetration Protection.

Technical Specifications

Standard Models*	ER100012V1P	ER125012V1P	ER150024V1P	ER200024V1P
Form Factor	Mini Tower	Mini Tower	Mini Tower	Mini Tower
Power Rating	1000VA	1250VA	1500VA	2000VA
Dimensions, WxLxH,IN(MM)				
Unit			158 x 320 x 300	
Shipping			162 x 330 x 320	
Weight ,(KG)	22	25	30	43
Input/Output AC Parameters				
Nominal Voltage Setting			210 - 230 VAC Default	
Voltage Range Without Battery Operation			210 - 230 VAC	
Frequency Range			50Hz	
Surge Protection			ANSI C62.41, Category A, Level 3	
Transfer Time			4 - 6ms Typical	
Waveform			Pure Sine Wave	
Efficiency				
Normal (Line) Mode			90.1-97.5%	
Battery Parameters				
Type			Lithium-Ferrophosphate (LiFePO ₄)	
Recharge Time (from full discharge)			5.3 hrs to 90% 6.9 hrs to 100%	
Battery Volt/Ah	12.8 V/100	12.8 V/100	25.60 V/100	25.60 V/100
Full-Load Runtime	1.44 H.min	1.20 H.min	2.00 H.min	3.45 H.min
Half-Load Runtime	3.20 H.min	2.45 H.min	4.00 H.min	5.20 H.min
Charging High Cut Voltage	14.2V	14.2V	27.5V	27.5V
Charging Low Cut Voltage	11.2V	11.2V	22.4V	22.4V
Environmental				
Operating Temperature,°F (°C)			32° to 104° (0° to 40°)	
Storage Temperature °F (°C)			5° to 120° (-15° to 50°)	
Relative Humidity			20% – 90%, non-condensing	
Operating Altitude, ft (m)			0 to 9,942 (0 to 3,000) without derating. Operating temperature reduced 9°F (5 °C) for each additional 1,640ft (500m) of altitude	
Audible Noise			< 45 dB @ line mode, < 55 dB @ battery mode	

Lithium battery Solar Inverter Series

MPPT Technology Solar Inverter

Lithium Battery- LiFePo4 UPS
Hybrid Inverter

-  1-10 kW PV output
-  Integrated isolators
-  Pre-wired
-  Inbuilt UPS
-  Inbuilt LiFePo4 storage

**User and
Environmental
Friendly**

SAMMAGRA ENERGEIA SOLUTIONS PVT LTD

No 68, Saptagiri Layout, Nagasandra, Bangalore - 560073