

One Smart Choice for Everyday Power

1kVA Integrated Inverter + Battery System

Meet the power backup solution
that keeps your home connected,
comfortable, and uninterrupted.



Why Families Choose Us

60 +
Months Battery
Warranty

36
Months Inverter
Warranty



All-in-One Power
Solution



Pure Sine Wave
Technology



Grid-Like
Power Quality



LiFePO4 Battery
Technology

Applications



Laptop



Wi-Fi Router



Ceiling Fan



LED Lighting



Television



TECHNICAL SPECIFICATIONS

Model: 1kVA Integrated Inverter + Battery System

INVERTER CHARACTERISTICS

S.NO	TECHNICAL PARAMETER	VALUE / SPECIFICATION
1	Inverter Rating	1050vA
2	Waveshape	Pure Sine Wave
3	Inverter Output Voltage	230 VAC ($\pm 10\%$)
4	Output Frequency	50 Hz ± 0.1 Hz
5	Grid Charging Voltage	13.8 ± 0.2 V (Lithium Mode Limit)
6	Inverter Efficiency	>80 %
7	Inverter DC Operating Voltage	11.6V – 13.8 V

BATTERY CHARACTERISTICS

S.NO	TECHNICAL PARAMETER	VALUE / SPECIFICATION
1	Battery Chemistry	LiFePO ₄ (Lithium Ferro Phosphate)
2	Nominal Battery Voltage	12.8 V
3	Nominal Battery Capacity	100 Ah
4	Usable Capacity	~100Ah
5	Energy Capacity	1280 Wh (Nominal)
6	Battery Operating Voltage Range	10V–14.2V
7	Max Continuous Charging Current	50A
8	Max Continuous Discharging Current	100A
9	Short Circuit Protection	Yes

ENVIRONMENTAL & MECHANICAL SPECS

S.NO	TECHNICAL PARAMETER	VALUE / SPECIFICATION
1	Operating Temperature	-5°C to +50°C
2	Storage Temperature	15°C to +35°C
3	Humidity	5% – 95% RH (Non-condensing)
4	Enclosure Rating	IP20
5	Cooling	Temperature-controlled fan
6	Inverter Dimensions	140 × 390 × 545 mm
7	Total System Weight	22.5 kg $\pm$ 0.5kg
8	Communication Ports	None
9	Display	16×2 LCD with system status

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