



# G-Power PPS 5000

## Portable Power Storage System

**Categories:** Energy Storage Systems, Portable Backup Power

High-capacity 4.9 kWh portable power storage system powered by  $\text{LiFePO}_4$  battery technology, featuring 5 kW hybrid output, high-voltage MPPT solar charging, and multi-standard AC outlets. Designed for homes, shops, offices, and off-grid backup, the PPS 5000 delivers safe, reliable, and solar-ready power wherever it's needed.

# Features & Advantages



## Power & Performance

The PPS 5000 features a 4.9 kWh high-density LiFePO<sub>4</sub> battery and delivers 5 kW hybrid output (solar + battery) or 4 kW battery-only output, ensuring continuous power for essential loads.



## Solar-Ready Design

It supports high PV input capacity up to 5.5 kW and a wide MPPT voltage range of 120–450 Vdc, enabling efficient energy harvesting from solar panels.



## Flexible Charging Options

The system supports AC charging up to 2.2 kW, is compatible with multiple power sources, and is ideal for hybrid and off-grid systems.



## Safety & Reliability

Built with LiFePO<sub>4</sub> chemistry, the PPS 5000 offers enhanced safety, is certified to CE and UN38.3 standards, and is designed for long service life with stable performance.



## Rugged & Portable

It features a compact, durable enclosure, is suitable for indoor and outdoor environments, and supports wide temperature operation for diverse conditions.



# Applications



Home Backup Power



Retail Shops & Offices



Off-Grid & Remote Sites



Emergency & Portable Power



Solar Energy Storage Systems



# Specifications

## Model - PPS 5000

PARAMETER	SPECIFICATION
Model	G-Power PPS 5000
Application	Home / Commercial / Off-Grid
Battery Energy	4.9 kWh
Cell Technology	LiFePO <sub>4</sub> (Lithium Iron Phosphate)
Cycle Life	3000 cycles @ 80% DoD (25°C, 0.5C)
Max Charge Power	2.4 kW
Max Discharge Power	4.8 kW
Rated AC Output	5 kW (SOL+BAT) / 4 kW (BAT only)
Max PV Array Power	5.5 kW
MPPT Voltage Range	120–450 Vdc
Max PV Voltage	500 Vdc
Max PV Current	22 A
AC Input Power	2.2 kW
AC Input Voltage	180–280 Vac
Input Frequency	50 Hz
AC Outlet Options	EU / UK / AU – 220 V, 50 Hz
Dimensions (W × H × D)	652 × 450 × 235 mm
Weight	52.5 kg
Operating Temperature	Charge: 0–55°C / Discharge: –20 to 55°C
Compliance	CE, UN38.3
Warranty	3 Years