

enerbyte

BLUE SERIES LFP-12100 12V 100Ah

Ideal for Backup

Reliable power for UPS, EPS, and solar systems — stay protected during outages

Longer Life, Lower Cost

Lasts up to 5× longer than GEL and tubular batteries with a life of up to 10 years

Inverter Compatibility

Supports older UPS/inverter models designed for Lead-Acid batteries, as well as all modern systems.

Smart & Connected

Built-in Bluetooth lets you monitor performance from your phone.



MAKING ENERGY BETTER

Battery Specifications

Nominal Voltage	12.8V
Nominal Capacity	100Ah
Nominal Energy	1280Wh (1.28kWh)
Internal Resistance	≤8mΩ
Cycle Life	6000 Cycles @ 50% DOD 3500 Cycles @ 80% DOD (EOL 80% Capacity)
Self Discharge	≤ 2% per month at 25°C & 50%SOC
Bluetooth	Yes

Standard Charging & Discharge Data

Charging Voltage	14.0V~14.4V
Charging Mode	CC-CV
Recommended Charging Current	≤50A
Max. Charging Current	100A
Recommended Discharging Current	50A
Max. Continuous Discharging Current	100A
Max. Pulse Current	250A (<10s)
Discharging Cut-off Voltage	10.8V

Operating Conditions

Charge Temperature	0°C to 45°C(32°F to 113°F)@60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C(-4°F to 140°F)@60±25% Relative Humidity
Storage Temperature	0°C to 45°C(32°F to 113°F)@60±25% Relative Humidity

Structure

Casing	Industrial Grade Plastic (ABS)
Dimension(L*W*H) / Weight	260*170*210 mm / Approx. 9.7kg
IP Rating	IP 20
Terminal	M8

Series and Parallel Capacity

Maximum number of series connections	4 Pcs
Maximum number of parallel connections	4 Pcs

✓ Ideal Applications:



Solar Systems



UPS / EPS



Home Backup



Industrial Use



DC Power Systems