



LiFePO₄ Battery System

PART: SC_12|100

12.8V 100Ah



Core Technology

Gotion 105Ah Grade A Prismatic Cells.
Superior longevity and thermal safety.

✉ IP68 RATED

Specifically engineered as a **Dedicated Clean Power** bank for sensitive electronics (N2K, Navigation, Audio). Featuring an **IP68-rated** enclosure that is **vibration resistant and salt-mist proof**.

TECHNICAL SPECIFICATIONS

Nominal Voltage	12.8V	Peak Discharge	150A (\leq 2s)
Nominal Capacity	100Ah (1,280 Wh)	BMS Connectivity	Bluetooth Smart Monitoring
Cell Technology	Grade A Prismatic LiFePO ₄	Enclosure Rating	IP68 Dust/Waterproof
Cell Brand	Gotion (High Performance)	Cycle Life	5,000+ @ 0.2C / 25°C
Charge Voltage	14.4V – 14.6V	Dimensions	260 × 168 × 209 mm
Charge Current	20A Cont. / 100A Peak	Net Weight	Approx. 11 kg (24 lbs)
Cont. Discharge	100A	Warranty	5 Years (Limited)

SMART BMS APP

Scan to download the **XiaoXiang BMS** app for real-time telemetry, cell balancing, and health diagnostics.



iOS



ANDROID

DEDICATED BANK

Vibration resistant and salt-mist proof.
Perfect buffer for sensitive N2K and audio.

INDEPENDENT POWER

Charge via Isolated DC-DC for protection
from spikes, ground loops, and
harmonics.

ECO-CONSCIOUS

Zero heavy metals. Maintenance-free
solution with zero emissions.

⚠ SAFETY & MAINTENANCE

- VERIFY POLARITY BEFORE CONNECTION
- STORAGE AT 50-80% SOC RECOMMENDED
- **WARNING: IF THE LITHIUM BATTERY IS NOT IN USE, IT MUST BE RECHARGED AT LEAST ONCE EVERY 3 MONTHS TO PREVENT OVER-DISCHARGE AND BATTERY DAMAGE.**
- PARALLEL CONNECTION WARNING: ENSURE ALL BATTERY VOLTAGES ARE WITHIN 0.25 VOLTS BEFORE CONNECTING THEM IN PARALLEL

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