



LiFePO₄ Battery System

PART: SC_12|300

12.8V 314Ah



Core Technology

CALB 314Ah Grade A Prismatic Cells.
Industry-leading power density and safety.

IP68 RATED

The ultimate power solution for **sailboats and off-grid island systems**. **IP68-rated** enclosure ensures zero risk from humidity or salt-spray ingress.

TECHNICAL SPECIFICATIONS

Nominal Voltage	12.8V	Peak Discharge	350A ($\leq 2s$)
Nominal Capacity	314Ah (4,019 Wh)	BMS Connectivity	Bluetooth Smart Monitoring
Cell Technology	Grade A Prismatic LiFePO ₄	Enclosure Rating	IP68 Dust/Waterproof
Cell Brand	CALB (High Capacity)	Cycle Life	6,000+ @ 0.2C / 25°C
Charge Voltage	14.4V – 14.6V	Dimensions	345 × 190 × 245 mm
Charge Current	40A Cont. / 100A Peak	Net Weight	Approx. 27 kg (59 lbs)
Cont. Discharge	200A	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

OCEAN READY

Specifically tuned for marine environments. Salt-mist and vibration resilient.

HIGH INVERTER LOADS

200A continuous output supports induction cooking and heavy winches.

LONG SERVICE LIFE

Maintenance-free solution designed for 15+ years of operational service.

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

SOLAR CLIPPERS LLC

Supporting Yachts Since 2010

MADE IN CHINA BY
GUANGZHOU SUNPRO BATTERIES CO., LTD
© 2026 SOLAR CLIPPERS LLC

LAS VEGAS, NV
www.solarclippers.com