

330 SEATBASE PRO

DATASHEET

12.8V Lithium Battery (LiFePO₄) with CAN, RS485 and Bluetooth communications

Model No: LPE-LFP12330-250SC

BATTERY FEATURES

SMARTCOMM
SERIES



5YR
WARRANTY



POWER
ON/OFF



PRE-CHARGE
PROTECTION



250A
BMS



ACTIVE
BALANCING



SMARTIQ
MONITORING



HEATED
CELLS



CAN BUS
CONNECTIVITY

LithiumPRO Energy is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. We reserve the right to make adjustments to this publication at any time, without notice or obligation.

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	330Ah
Energy	4224Wh
Active Balance Current	1-5A
Self Discharge	<3% per month
CANBus/RS485 Connectivity	RJ45 x2
BMS power consumption Off/Standby/Active	3mA/24mA/46mA

MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	320x280x180mm
Weight	28 Kgs
Cycles	≥8000 @ 80% DOD
Terminal Type	M8 threaded Insert
IP Rating	IP54
Case Material	Powder coated steel
Cell - Prismatic (LiFePo ₄)	EVE MB31 [4S1P]

SAFETY & PROTECTION SPECIFICATIONS

Max Continuous Charge Current	250A Recommended (≤75A)
Max Continuous Discharge Current	250A
Peak Discharge	300A (5 Seconds)
Discharge Protection cut-off	10V
Over Charge Protection cut-off	14.4V
Pre-Charge Protection	10Ω 15W 3000ms
Short Circuit Protection	1500A<500uS

TEMPERATURE SPECIFICATIONS

Storage Temperature	-10 ~ 45°C
Discharge Temperature	-20 ~ 60°C
Charge Temperature (Heater Assisted)	-20 ~ 60°C

WARRANTY

LithiumPro offers a 5 year warranty on all its Leisure batteries. Warranty is not transferable and will only apply to the original purchaser. LithiumPro Energy requires proof of purchase prior to processing any warranty claims or returns. We guarantee to repair or replace any unit that is determined to be defective in terms of manufacturing defects. Our warranty does NOT cover damage resulting from customer negligence, misuse, abuse, incorrect charging, accidental damage or general wear and tear.

SAFETY INSTRUCTIONS

- Before use read & follow instructions provided by LithiumPro Energy.
- Do not expose the battery to direct sunlight, extreme temperatures.
- Do not attempt to open the battery this will void the manufacturers Warranty.
- Do not short circuit the battery.
- Store the battery in a dry, well ventilated area.
- Only use Lithium chargers and recommended charging profile.
- Do not crush, pierce, incinerate or modify the battery.
- Recycle the battery according to local regulations.

BATTERY CERTIFICATION



The SMARTCOMM SERIES range carries the E-Marking - Certified to ECE R10 Type-Approval, demonstrating stringent EMC standards and Conformity of Production. All models have undergone the most rigorous testing procedures to ensure they comply with all UK & EU Legal Certification. UKCA, CE, ROHS, UN38.8. Prismatic cells are UL Listed UL1642, UL1973, UL9540A and IEC62619

CONNECTIVITY

LithiumPro's proprietary SMARTIQ BMS App for iOS and Android connects wirelessly via Bluetooth 5.0, enabling real-time monitoring of battery health and performance parameters. SMARTCOMM Series batteries also fully support CAN/RS485 communications, with integrations available for Victron GX systems and selected BCA, Savvy, Garmin, NMEA 2000 compliant Multi-functional displays such as CZone, SIMARINE, Raymarine and other CAN-enabled systems.

STORAGE

Lithium batteries should be stored in a cool dry well ventilated environment. Avoid any exposure to direct sunlight or heat sources. The battery should be charged every 3 to 6 months to increase battery longevity. If storing your lithium battery for an extended period it should be isolated using the POWER button and left at a storage charge level of between 60-80% (13.2V) to help prevent excessive self-discharge.

CHARGING SPECIFICATIONS

	12V	24V	36V	48V
Charging Voltage (CCCV) (13.8 - 14.6v)	14.4V	28.8V	43.2V	57.6V
Float Voltage	13.8V	27.6V	41.4V	55.2V
Recommended Charging Current	≤ 50A	≤ 50A	≤ 50A	≤ 50A
Parallel & Series Connections	Max 4 Series (8 in Parallel)			



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