

EnergyTrek 24V 100Ah LiFePO4 Battery - LED

PVShop catalogue reference: PVS-LFP-24100-LED

Electrical and physical specifications

Manufacturer-stated specifications for the exact EU version. Reviewed on 30 September 2026; not independently laboratory tested by PVShop.

Manufacturer brand	ECO-WORTHY
Manufacturer model / range	EnergyTrek 24V 100Ah LiFePO4 Battery - LED
PVShop catalogue reference	PVS-LFP-24100-LED
Cell chemistry	LiFePO4
Nominal voltage	25.6 V
Rated capacity	100 Ah
Rated energy	2560 Wh
BMS continuous current	100 A
Maximum continuous charge current	100 A
Maximum continuous discharge current	100 A
Charge voltage / published maximum	29.2 V
Dimensions (L x W x H)	414 x 215 x 260 mm
Weight	20 kg

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Operating limits and interfaces

Bluetooth	Yes
Monitoring	SOC / status LEDs and alarm buzzer
Charge temperature	0 to 55 °C
Discharge temperature	-20 to 55 °C
Cold-charge protection	Yes; use a LiFePO4 charging profile

Installation and application

Use a compatible LiFePO4 charger or controller, correct polarity, suitably rated cables and circuit protection. Verify system voltage, current and operating temperature before installation. Protection thresholds are not normal operating settings. Follow the model-specific installation manual.

Evidence and revision notes

The EU product table lists 10 V as the discharge cutoff. That conflicts with the 25.6 V pack class and is excluded; the correct pack cutoff must be confirmed.

The later supplied 25.6V 100Ah family sheet specifies 22.4 V discharge cutoff, 522 x 240 x 218 mm and 21 kg, with charge/discharge temperature ranges of 0 to 45 C / -20 to 60 C. The current EU SKU specifies a different case (414 x 215 x 260 mm), 20 kg and different temperature limits. This family reference does not confirm the cutoff for the exact EU revision; model-specific confirmation is still required.

Document scope

PVShop retailer edition retaining the original ECO-WORTHY brand and model identity. Manufacturer source plots are included unchanged where supplied. They are not independently measured results, and no raw laboratory test report was supplied. The current EU manual remains the installation reference.

PVShop technical support: support@pvshop.store

Reference graphs and test reports

No model-specific 25.6 V performance graph or raw test report was supplied. Curves from 12.8 V and 51.2 V batteries are not substituted.