

EnergyTrek 12V 100Ah LiFePO4 Battery - LED

PVShop catalogue reference: PVS-LFP-12100-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 12V 100Ah LiFePO4 Battery - LED
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Cell chemistry	LiFePO4
Nominal voltage	12.8 V
Rated capacity	100 Ah
Rated energy	1280 Wh
Maximum continuous charge current	100 A
Maximum continuous discharge current	100 A
Charge voltage / published maximum	14.6 V
Discharge cutoff voltage	10 V
Dimensions (L x W x H)	299 x 175 x 220 mm

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Operating limits and interfaces

Monitoring	SOC / status LEDs; Bluetooth / WiFi via the documented data collector
Terminals	M8
Charge temperature	0 to 45 °C
Discharge temperature	-20 to 55 °C

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 August Shield family document covers a different 100 Ah version with a 15.7 kg weight and self-heating. Those values are not assigned to the EU LED SKU.

The later supplied 12.8V 100Ah sheet depicts a LED family revision: 339 x 185 x 218 mm, 10.5 kg, 11.2 V discharge cutoff and 0 to 45 C / -20 to 60 C charge/discharge ranges. Its case differs from the current EU EnergyTrek LED SKU. These revision-specific figures are not substituted into this exact-model specification.

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

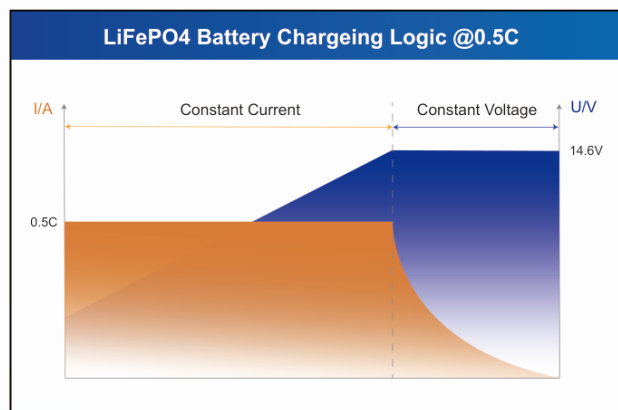
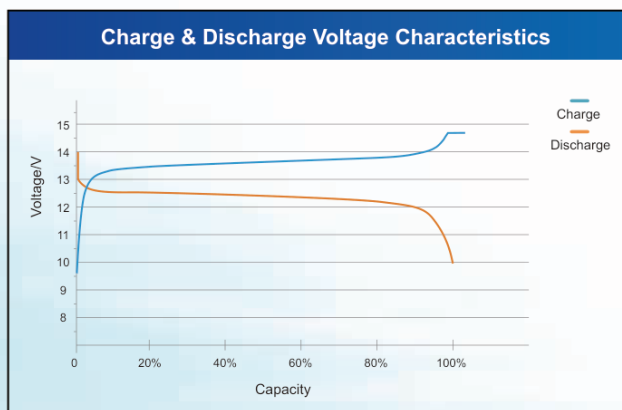
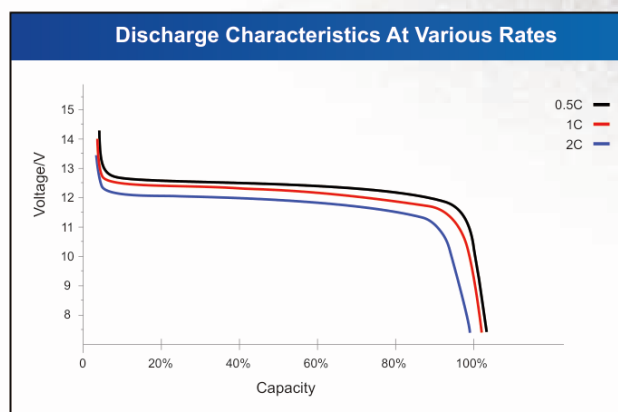
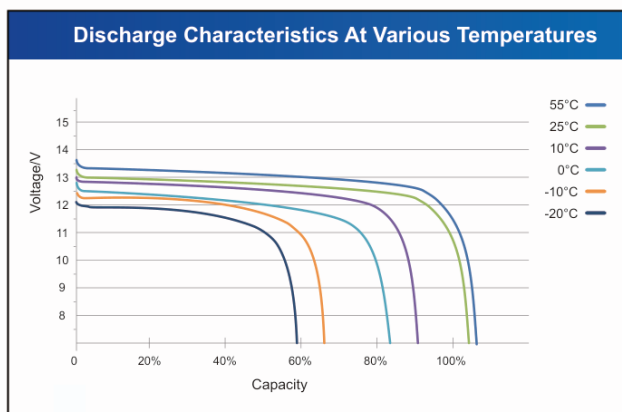
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Original manufacturer reference graphs

12.8 V 100 Ah standard-family reference only. The supplier did not provide plots specific to the EnergyTrek LED version. Do not treat these curves as a verified test of that version.

Source: 12.8V 100AH PDF 202608.pdf / page 2. All four source panels, axes, legends and curve shapes are retained. No values were digitized, inferred or redrawn.



Panels: discharge at various temperatures; discharge at various rates; charge and discharge voltage characteristics; LiFePO4 charging logic at 0.5C. Temperature curves concern discharge. Charging must stay within the model-specific temperature range in this datasheet.