

12V 100Ah Bluetooth LiFePO4 Battery

PVShop catalogue reference: PVS-LFP-12100-BT

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	12V 100Ah Bluetooth LiFePO4 Battery
PVShop catalogue reference	PVS-LFP-12100-BT
Cell chemistry	LiFePO4
Nominal voltage	12.8 V
Rated capacity	100 Ah
Rated energy	1280 Wh
BMS continuous current	100 A
Maximum continuous charge current	100 A
Maximum continuous discharge current	100 A
Charge voltage / published maximum	14.5 V
Discharge cutoff voltage	10 V
Dimensions (L x W x H)	260 x 168 x 214 mm
Weight	10.5 kg

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Operating limits and interfaces

Bluetooth	Yes
Terminals	M8
Charge temperature	0 to 55 °C
Discharge temperature	-20 to 55 °C
Cold-charge protection	Yes; observe the documented charge temperature range

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 current EU product page gives a 14.5 V maximum charge voltage and 10.5 kg weight. The supplied August family sheet describes other versions with 14.6 V and different weights. The EU SKU-specific values are used here.

Self-heating, IP67 and UL1973 ratings of other 100 Ah versions are not assigned to this model.

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

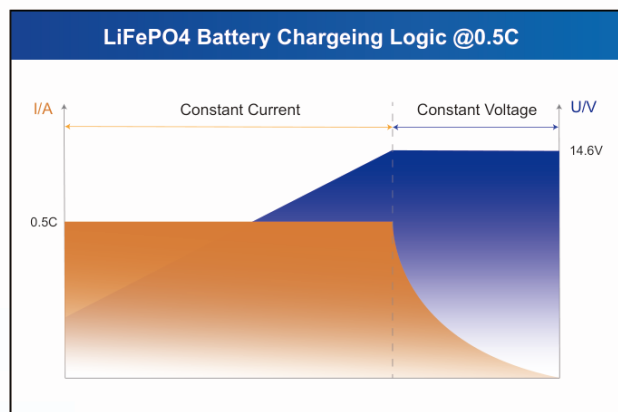
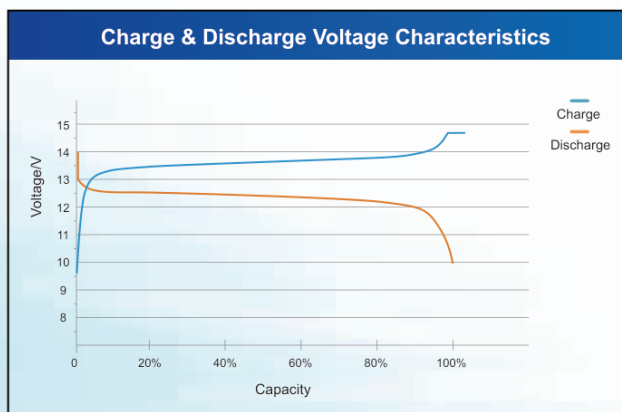
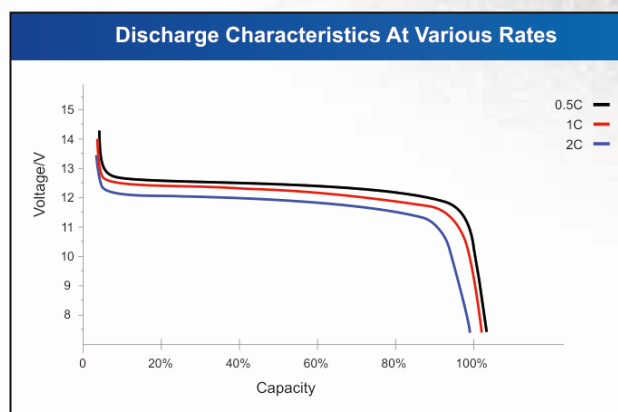
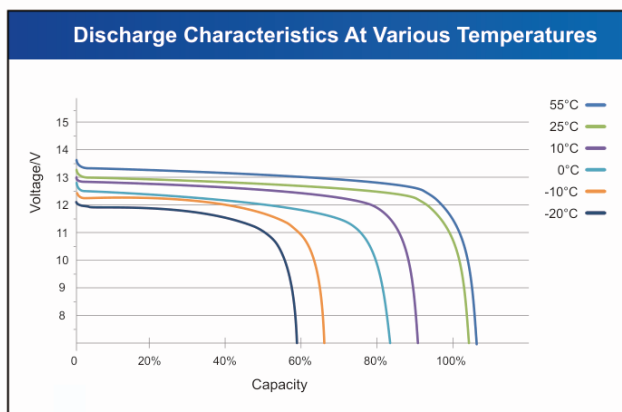
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Original manufacturer reference graphs

Standard 12.8 V 100 Ah family reference. The current EU SKU has revision differences in charge voltage and weight; these supplier plots do not establish batch-specific test results.

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.