

Cubix 100 / ECO-LFP4810002

PVShop catalogue reference: PVS-LFP-48100-RACK

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	Cubix 100 / ECO-LFP4810002
PVShop catalogue reference	PVS-LFP-48100-RACK
Cell chemistry	LiFePO4
Nominal voltage	51.2 V
Rated capacity	100 Ah
Rated energy	5120 Wh
BMS continuous current	100 A
Maximum continuous charge current	100 A
Maximum continuous discharge current	100 A
Recommended charge current	50 A
Charge voltage / published maximum	58.4 V
Discharge cutoff voltage	40 V
Weight	47 kg

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Operating limits and interfaces

Wireless monitoring	Bluetooth and WiFi
Communication	CAN / RS485 / RS232
Terminals	M8
Charge temperature	0 to 55 °C
Discharge temperature	-20 to 55 °C
Maximum current condition	100 A discharge: initial temperature at or below 35 °C
Expansion	Up to 32 batteries in parallel; do not series-connect

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 page, linked manual and supplied August sheet give different body / installation dimensions. The overall dimensional field is deliberately omitted. Obtain the confirmed installation drawing before specifying a rack.

The supplied August sheet gives IP55 and 43 kg; the EU manual gives 47 kg. Only the current EU weight is published. No IP rating or certification of a different version is assigned.

The source sheet contains a contradictory series-connection entry. The published EU manual prohibits series connection, which takes precedence for this EU 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

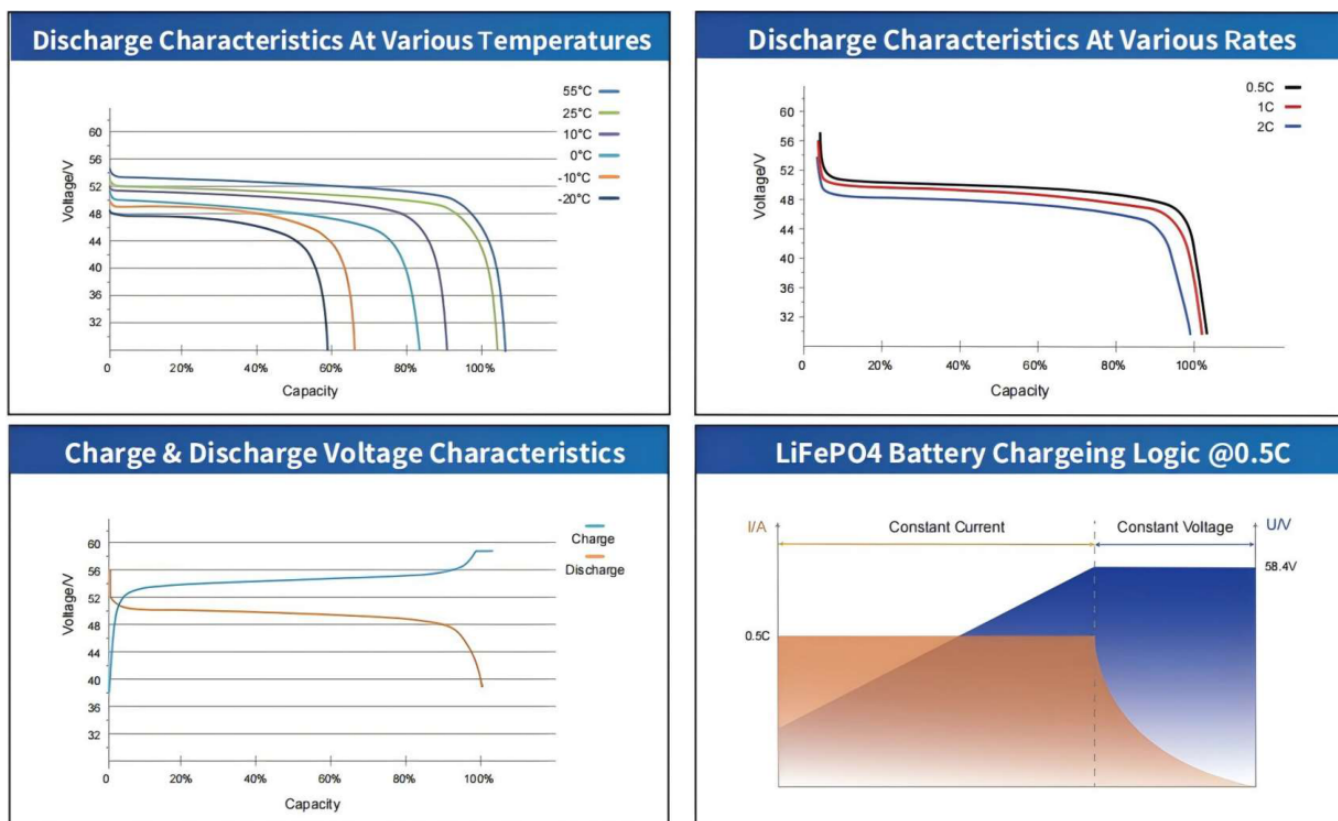
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Original manufacturer reference graphs

Supplier Cubix 100 family plots. The supplied sheet differs from the EU manual in dimensions and weight. Curves are retained as supplier reference illustrations, not an independent or batch-specific test.

Source: 51.2V100AH Cubix 100 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.