Lead-Acid Batteries
763374 (8801-00)

LabVolt Series

Datasheet

* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

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General Description

The Lead-Acid Batteries module consists of two 12 V valve-regulated, lead-acid (VRLA) batteries enclosed in a half-size EMS module. These batteries are part of the Electric Power Technology Training Program and are used to study lead-acid battery characteristics as well as the storage of electrical energy in various applications, such as solar power and wind power electricity generation. They can easily be charged using the Four-Quadrant Dynamometer/Power Supply, Model 8960-2.

The batteries can be connected in series or parallel. Connection to the batteries is through 4 mm safety banana jacks mounted on the front panel of the module. These jacks are used when large amounts of power are supplied to the batteries or drawn from the batteries. A pair of miniature (2 mm) banana jacks mounted on the front panel of the module provides access to one of the two batteries via a low-capacity auto-reset fuse. These miniature jacks are used to connect the battery to either the Solar Panel Test Bench, Model 8805, or the Solar Panel, Model 8806, when performing lab exercises dealing with the storage of electrical energy produced from solar power.

Important warranty information:

Please note that the lead-acid batteries included in the module are not covered by the Festo warranty. To ensure long-term usage of the batteries, it is important to follow the proper maintenance instructions provided by Festo.

Specifications

Parameter	Value
Batteries	
Quantity	2
Type	Valve-regulated lead-acid
Voltage	12 V
Capacity	2.3 Ah
Maximum Charge Current	0.69 A
Maximum Discharge Current	5 A
Auto-Reset Protective Fuse	
Battery	5 A (hold current), 10 A (trip current)
Test Point	0.1 A (hold current), 0.2 A (trip current)
Physical Characteristics	
Dimensions (H x W x D)	154 x 287 x 440 mm (6.1 x 11.3 x 17.3 in)
Net Weight	4.6 kg (10.2 lb)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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