

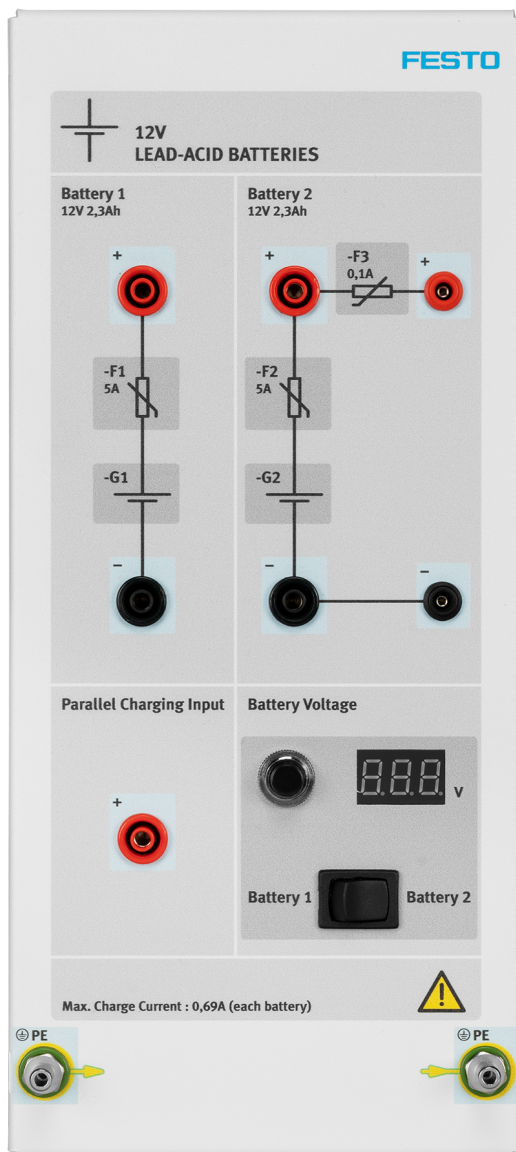
12V Lead-Acid Batteries

595060 (8801-PC)

FESTO

LabVolt Series

Datasheet



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General Description

The 12V Lead-Acid Batteries module consists of two 12 V valve-regulated, lead-acid (VRLA) batteries enclosed in an A4 size housing. 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. 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 the Solar Panel when performing lab exercises dealing with the storage of electrical energy produced from solar power. A digital meter allows the user to check independently both batteries voltage by selecting a battery and pressing the test button.

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)	297 x 133 x 140 mm
Weight	3.5 kg

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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