

Allen-Bradley 1756 Series Service Manual

1756-BATA

1. Description

The Allen-Bradley 1756-BATA 3.6 Volts Lithium PLC Battery is a substitute lithium battery. The 1756-BATA is manufactured by Allen-Bradley and is part of the line of Factory Automation Equipment made by Rockwell Automation. The use of these batteries is geared towards industrial computers and also towards programmable logic controllers (PLC). The 1756-BATA is a 1-cell 10g lithium battery that is compatible with the 1756-L6x devices as well as industrial computers and the Allen-Bradley ControlLogix

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1756-BATA
Series	ControlLogix
Battery	Type Lithium Battery
Slots	7
Power	Dissipation (Max) 4.5 Watts
Mounting	Horizontal
Dimensions	20 x 24 x 8 inches
Weight	2.4 pounds (1.1 kilograms)
Enclosure	Open
Backplane	Current (5 Volts DC) 10 amps
Backplane	Current (24 Volts DC) 2.8 Amps Description
Designed	by Allen-Bradley, the 1756-BATA battery is a ControlLogix replacement lithium battery. The battery features 2 lithium cells and each of the 2 comes with approximately 5 grams of lithium. The 1756-BATA battery contains about 10 grams of lithium in total. The 1756-BATA battery is a backup battery that is used for the battery module of the Allen-Bradley ControlLogix devices. The current rating of the 1756-BATA battery is a maximum of 19,000 mA while the rated voltage is 3.6 Volts DC. The ambient operating temperature for the battery is 0 to 60 degrees Celsius. The shipping weight is 2.4 pounds while the battery featur

3. Product Information

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The terminal connection for the 1756-BATA battery requires a wire leads connector. The battery is temperature-sensitive and it needs to be placed in an environment within an ambient temperature range between -60 and +85 degrees Celsius. The Allen-Bradley 1756-BATA 3.6 Volts Lithium PLC Battery has packaging dimensions of 2.65 inches x 1.34 inches x 2.44 inches. The battery also has a nominal capacity of 1.7 Ah. An adapter cable is required for repeated use of the externally mounted battery. The battery needs to be mounted on a panel with a DIN rail lock before operation. The battery has no particular enclosure type rating and it requires 1-meter Category 3 rated cables for making connections. Allen Bradley ControlLogix Lithium Battery for 1756-BATM Technical specifications for 1756-BATA

Manufacturer Rockwell Automation

Brand Allen-Bradley

Part Number/Catalog No. 1756-BATA

Series ControlLogix

Battery Type Lithium Battery

Slots 7

Power Dissipation (Max) 4.5 Watts

Mounting Horizontal

Dimensions 20 x 24 x 8 inches

Weight 2.4 pounds (1.1 kilograms)

Enclosure Open

Backplane Current (5 Volts DC) 10 amps

Backplane Current (24 Volts DC) 2.8 Amps Description

Designed by Allen-Bradley, the 1756-BATA battery is a ControlLogix replacement lithium battery. The battery features 2 lithium cells and each of the 2 comes with approximately 5 grams of lithium. The 1756-BATA battery contains about 10 grams of lithium in total. The 1756-BATA battery is a backup battery that is used for the battery module of the Allen-Bradley ControlLogix devices. The current rating of the 1756-BATA battery is a maximum of 19,000 mA while the rated voltage is 3.6 Volts DC. The ambient operating temperature for the battery is 0 to 60 degrees Celsius. The shipping weight is 2.4 pounds while the battery features an open enclosure. The backplane current at 24 Volts DC is 2.8 Amps while the backplane current at 5 Volts DC is rated at 10 Amps. The 1756-BATA battery is used for the Allen-Bradley 1756-BATM module.

The 1756-BATA lithium battery is a primary cell battery that gives extended life span support to Allen-Bradley products. To ensure safety, the battery should only be used for its intended applications. The 1756-BATA battery should not be recharged, neither should the users attempt to open, puncture, or crush the battery. Exposing the lithium battery to high operating temperatures could result in an explosion. Ensure that the positive and the negative terminals never short together and avoid shipping or disposing of the unit in any other manner than those that are described in the manufacturer's instructions and in the local regulations on the disposal of batteries. The 1756-BATA battery should never be stored for more than 10 years and it should not be used for longer than 3 months before disposal. The storage area for the battery should be well ventilated and protected against fire.

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