

Allen-Bradley 1756 Series Service Manual

1756-BATM

1. Description

The Allen-Bradley 1756-BATM 3.6 Volts Lithium PLC Battery is a replacement lithium battery. The use of the 1756-BATM is mainly limited to industrial computers. The Allen-Bradley 1756-BATM 3.6 Volts Lithium PLC Battery is also used in programmable logic controllers (PLC). The weight of the 1756-BATM is 10g since it is made of only one cell. The average shelf life of the 1756-BATM is about 10 years. The battery with several logic devices, including the Allen-Bradley ControlLogix 5561, 5562, 5563,

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1756-BATM
Series	ControlLogix
Battery	Type Externally Mounted
Processor	Compatibility 1756- L55M14, -L55M16, and -L6x
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
UPC	10612598284761 Description
The	1756-BATM ControlLogix Battery module by Allen-Bradley is a battery module compatible with the Allen-Bradley 1756-L55Mxx, 1756-L61, 1756-L62, and the 1756-L63 controllers. It is a battery assembly module that consists of a single 1756-BATA (10g lithium) battery arrangement with a 3.28-foot cable for connecting the entire module to the controller. During installation, the 1756-BATM is either mounted directly to the panel of the controller or mounted on a DIN Rail. The 1756-BATM module has an overall input rating of 15mA at 5.1V DC and an output rating

3. Product Information

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A wire lead connector is required for the terminal connection of the 1756-BATM. The power rating that the cell carries is 3.6 Volts. Ideally the battery needs to be placed in an environment where the temperature is within a range of -60 to +85 degrees Celsius. The nominal capacity of the cell is 1.7 Ah. To use the external mounting repeatedly, an adapter cable is required. A DIN rail lock is required if the users want to mount the battery on the panel. The wiring requirement of the Allen-Bradley 1756-BATM 3.6 Volts Lithium PLC Battery is 1-meter Category 3 cables. With no particular enclosure type rating, any type of enclosure can be used. The packaging dimensions of the Allen-Bradley 1756-BATM 3.6 Volts Lithium PLC Battery is 2.65 inches x 1.34 inches x 2.44 inches. Allen Bradley ControlLogix Lithium Battery Assembly Technical specifications for 1756-BATM

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Series ControlLogix

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Power Dissipation (Max) 4.5 Watts

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