

## FEATURES

- **High Temperature Resistant**  
Polycarbonate (PC) housings provide higher temperatures 125 °C
- **Color Code/ Genderless design**  
Same color housings prevents accidental mating of components operating at different voltage level
- **Silver Plated Copper Contacts**  
Provide excellent conductivity and superior mating cycle performance.
- **UL94 V-0**  
Housing material provides security meets strict UL flammability ratings
- **UL Recognized**
- **Application Markets**  
UPS System  
Telecommunication  
Forklift Trucks  
Wheelchairs  
Electric Vehicles  
Chargers

## RS PRO Battery Modular Connectors

RS Stock No.: 2378780



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

#### 120AMP Connector housings with contacts

Two Pole Power Connectors with Single-piece Housings. BMC series (Battery Modular Connectors) is available for use 600 Volts continuous AC or DC operation. Based on the color-management system, the connector housings will only mate with the same color connector, prevent accidental mating of equipment operating at different voltages. The silver plated contacts offer longevity when using high power.

\*TRY TO AVOID OIL OR CHEMICAL EXPOSURE WHEN USING THE CONNECTORS.

### General Specifications

<b>DC Power Connector Type</b>	Battery Modular Connectors
<b>Housing Material</b>	Polycarbonate (PC)
<b>Spring Material</b>	Stainless Steel
<b>Pole</b>	2 Poles
<b>Housing Color</b>	Grey
<b>Contact Material</b>	Copper
<b>Contact Plating</b>	Silver plated
<b>Contact Gender</b>	Male (Pin)

### Electrical Specifications

<b>Housing Current Rating</b>	120AMP
<b>Maximum Current Rating of contact</b>	100A
<b>Maximum Electrical Rating</b>	600V

**Mechanical Specifications**

Width of Housing	44.4 mm
Length of Housing	63.51 mm
Height of Housing	20.4 mm
Wire Size (AWG)	4 A.W.G.
Wire Size (MM)	22 mm <sup>2</sup>
Inner Diameter	7.7 mm
Outer Diameter	11.1 mm/ 12.3 mm
Overall Length	49.9 mm±1.0

**Operation Environment Specifications**

Maximum Operating Temperature	125°C
Minimum Operating Temperature	-20°C

**Approvals**

Compliance/Certifications	UL / UL 94 V-0 / RoHS / REACH
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