

M7009R & M7009C

Buffer/Extension for 24VDC Bus



Common Bus Solutions

M7009R Series



M7009C Series (Add-On)



BONITRON

M7009R & M7009C Series

Bonitron's M7009R is a cost-effective solution for protecting your 24-volt DC bus from short-duration sags and outages. During normal operation, the unit trickle charges from the 24V bus, fully charging in under six minutes, with a peak charge current of 1.5 A. Once charged, the unit draws minimal power from the 24V bus. During an outage, the module supports the 24V bus for a period depending on the power draw.

The M7009R contains no batteries or other parts requiring maintenance. The module is truly plug and-play, requiring only two connections. With the addition of the M7009C extension, you can expect improvements in hold-up time as well as increased outage duration. With the M7009R, you can have confidence that your controls, relays, and other 24V loads will continue to operate during most outages.

Buffer Series Highlights

- Charges from DC Bus
- Holds up DC Bus when supply is lost.
- DIN rail mountable.

M7009C Extension Series Highlights

- Increase in energy storage.
- Increase in hold-up time.

Model Number Selection

Model Number	Standby Voltage	Hold-Up Voltage	Rated Output	Power	Internal Storage Capacitance	Internal Storage Energy	Dimensions (H x W x D)
M7009R - 24V20A - DIN	23.25 - 27 VDC	23.25 - 23.75 VDC	20 A	480 W	20 F	5760 J	5.375" x 5" x 5.75"
M7009C - 24V - DIN	23.25 - 27 VDC	-	-	-	20 F	5760 J	5.375" x 3.1" x 5.75"



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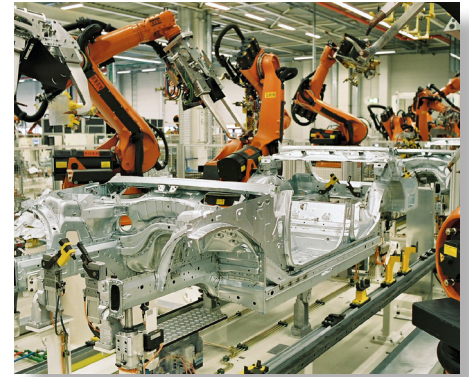


M7009R Buffer Specifications

Charging/Standby Voltage.....	23.25 - 27 VDC
Adjustable Hold Up Voltage....	23.25 - 23.75 VDC
Capacitance.....	20 F
Displays.....	LED Voltage Indicator
Operating Temp.....	0°C to 40°C
Storage Temp.....	-20°C to +65°C
Humidity.....	Below 90% non-condensing
Atmosphere.....	Free of corrosive gas and conductive dust
Weight.....	3 LBS

Using Integrated 20F Storage	
Load (A)	Hold-Up Time (s)
20	4
18	5
16	6
14	8
12	10
10	13
8	17
6	23
4	37
2	74

Industry Applications



Assembly Lines



Critical Systems



Critical Power and More!

M7009C Extension Specifications

Charging/Standby Voltage.....	23.25 - 27 VDC
Capacitance.....	20 F
Displays.....	LED Voltage Indicator
Operating Temp.....	0°C to 40°C
Storage Temp.....	-20°C to +65°C
Humidity.....	Below 90% non-condensing
Atmosphere.....	Free of corrosive gas and conductive dust
Weight.....	2 LBS

Using Integrated 20F Storage with External 20F Expansion	
Load (A)	Hold-Up Time (s)
20	8
18	11
16	13
14	17
12	21
10	27
8	35
6	49
4	74
2	150

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