

MX-631-PFBC-SERIES

Modular Access Control Power Supply

The MICROAXS MX-631-PFBC-SERIES Power Supplies have been developed specifically to support electric locks and access controls. The high performance, heavy-duty circuitry is ideal for inductive loads and multi-door applications. The modular design is built around several different application control modules to meet your specific needs for virtually any electric lock system. MICROAXS power supplies are designed to provide a well organized installation for individual or multidoor systems that may include locking devices, access controls, station controls and consoles for remote control, annunciation and fire/life safety system interfaces.



Features

- Filtered and Regulated

The output filtering stabilizes the DC output voltage and eliminates AC line noise. The solid state regulator maintains the selected output voltage at 12VDC or 24VDC regardless of the output load changes, including battery charging.

- Field Selectable 12 or 24VDC

The output is field selectable for 12 or 24VDC output.

- 250 mA Battery Charger Output

A separate PTC protected, battery charger output provides 13.5VDC or 27VDC.

- LED System Status Indicator

Amber - AC and DC voltages are OK

Green - No DC output

Red - No AC input, powered by batteries

- Class 2 Outputs

Where permitted by code, conduit is not required when using Class 2 outputs

- Emergency Release Input

The Fire/Life Safety emergency release input is standard on all MICROAXS power supplies.

- Large Heavy Gauge Enclosure

Model MX-631-PFBC-SERIES is housed in a 16 gauge, 16" W x 14" H x 6.5" D cabinet large enough to accommodate several additional modules and four 8Amp hour batteries with plenty of room for wiring.



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- **Low Battery Disconnect**
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.
- **Isolated Charging Circuit**
While the charging output is 13.5VDC or 27VDC, the secondary output is unaffected and precisely maintained at the selected 12 or 24VDC. This ensures system components are powered by their specified voltage. The secondary output current is maintained at the full 1.5 Amp capacity and is not de-rated when charging batteries.

Specification

Model	MX-A631-PFBC	MX-B631-PFBC
Input	115VAC @ 800 mA, 50/60 Hz Fused	
Secondary Output	Selectable 12VDC or 24VDC @ 1.5 Amp, Poly Fuse Protected, Class 2	
Battery Charger Output	250mA @ 13.5 or 27VDC, PTC Protected	
Cabinet	12" W x 12" H x 4"D, Steel 20 Ga	16"W x 14"H x 6.5"D, Steel 16 Ga.

Control Module Capacity

Power Supply	MX-A631-PFBC		MX-B631-PFBC	
	0-2	3-4	0-2	3-4
Battery Qty	MX-12V4-HB		MX-12V4-2BH	
MX-12-VR	1	1	1	1
MX-UC1	4	2	4	2
MX-4CR-RM	2	1	4	2
MX-UC2-4S	NA	NA	2	1
MX-UC4-8S	NA	NA	2	1

* Total combined load of modules and access control hardware may not exceed 1.5 amp.



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Power Supply

12VDC Standby Power

5 Ah Battery Qty	1	2	4
Amp Hours	5Ah	10Ah	20Ah
Load/Amps	Power Back-up Time in Hours		
0.25	20	40	80
0.50	8.5	20	40
1.00	3.8	8.5	20
1.50	2.3	45.5	12

8 Ah Battery Qty	1	2	4
Amp Hours	8Ah	16Ah	32Ah
Load/Amps	Power Back-up Time in Hours		
0.25	36.7	85	175
0.50	15	36	85
1.00	6.5	14.4	36
1.50	4	9	21

24VDC Standby Power

5 Ah Battery Qty	2	4
Amp Hours	5Ah	10Ah
Load/Amps	Power Back-up Time in Hours	
0.25	20	40
0.50	8.5	20
1.00	3.8	8.5
1.50	2.3	4.5

5 Ah Battery Qty	2	4
Amp Hours	8Ah	16Ah
Load/Amps	Power Back-up Time in Hours	
0.25	36.7	85
0.50	15	36
1.00	6.5	14.4
1.50	4	9

