



AQU243-8C Power Supply

The AQU243-8C power supply with battery charger/backup and supervision is a single voltage power supply that uses any AC power source from 90-240VAC/47-63Hz to provide up to 3 Amps @ 12VDC continuous output.

FEATURES:

- Clean, steady, accurate power output for best performance of access control equipment
- Compact modules for smaller footprint
- Universal transformer compatible with most international power
- Works in AC brownout down to 60 VAC
- Faster battery recharging under full load
- Automatic low-battery disconnect prevents deep discharge, maintains battery life
- Self-resetting circuit breakers for common conditions including:
 - Overcurrent
 - Thermal runaway
 - Reverse battery hookup
- Fuse protected against surge for AC input and DC output
- Eight (8) channel power distribution
 - Power limited PTC protected outputs, each with a green status LED indicator
 - Main power green/red LED indicates AC, DC or Reversed DC input
 - Main power/power pull to disconnect board from input power
- SPDT Form C output for remote monitoring of:
 - AC failure
 - Low battery
- Made in USA
- MagnaCare Lifetime Replacement No Fault Warranty
- UL and ULC Listed

SPECIFICATIONS: AQU243-8C

Power Module: AQU243

Electrical

Input Voltage Operating Range

90-240VAC
47-63Hz

Maximum Output Voltage

79.2 VA
3.3 Amps @ 24VDC

Continuous Output Voltage

72 VA
3 Amps @ 24VDC

Voltage Range

9.8 – 13.67VDC/ 13.65 typical

Operating Frequency

27KHz

Onboard Power Output

One (1) Output

Fuse Protection

Battery: PTC 3 Amp
Current Overload: PTC, self-resetting
Thermal Runaway: PTC, self-resetting

Supervision/Monitoring

AC ON LED indicator: 6mA
DC ON LED indicator: 6mA
AC Fail notification: SPDT Form C 2 Amp
Low Battery: SPDT Form C 3 Amp

Regulatory

UL 294
UL 603
ULC-S318-96
UL 1481
ULC 527
CSA-C22.2 #205
RoHS lead free

Distribution Board: -8C

Electrical

PTC Circuit breakers hold current at 130°F

Output Terminal Block Rating

40A

Output Wire Gauge Range

10-28AWG*

Maximum Output Per Channel

8 channels @ 0.72A/channel

Fuses

Output: PTC 0.72A/channel
Holds current at 130°F
Main Fuse/Power Pull: 5A ATO

Mechanical

Environment

Operating Temperature: -4 to +104°F
[-20 to +40°C]
Humidity: 95% RH non condensing

Dimensions

Enclosure: 14" x 9" x 3.5"

Power Module: 6.4" x 3.95" x 2.35"
Mounting: 5.36" x 3.54"

Distribution Board: 3.87" x 4.84" x 1"
Mounting: 3.41" x 4.49"

Shipping Weight: 8.10 lbs

*Use gauge appropriate for output voltage and wiring distance.



SUPERVISION



BATTERY BACKUP



AMPERAGE



VOLTAGE



LISTED