



AQU243-8F Power Supply

The AQU243-8F power supply with battery charger/backup and supervision is a single voltage switching 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
- Eight (8) channel power distribution
 - Power limited fuse protected outputs, each with a green status LED indicator
 - Main power green/red LED indicates AC, DC or Reversed DC input
 - Main fuse/power pull to disconnect board from input power
- Fuse protected against surge for AC input and DC output
- SPDT Form C output for remote monitoring of:
 - AC failure
 - Low battery
- Made in USA
- MagnaCare Lifetime Replacement No Fault Warranty
- UL Listed

SPECIFICATIONS: AQU243-8F

Power Module: AQU243

Electrical

Input Voltage Operating Range

90-240VAC
47-63Hz

Maximum Output Voltage

79.2 VA
3.3 Amps @ 12VDC

Continuous Output Voltage

72 VA
3 Amps @ 12VDC

Voltage Range

9.8 – 13.7VDC/ 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

RoHS lead free

Distribution Board: -8F

Electrical

Output Terminal Block Rating

5A

Output Wire Gauge Range

10-28AWG*

Maximum Output Per Channel

8 channels @ 2A/channel

Fuses

Size: 200 Standard 3AGC
Output: 2A
Main Fuse/Power Pull: 10A 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 Board: 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.

