



## AQU243 Power Supply

The AQU243 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 @ 24VDC 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
- 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

## 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

## Environment

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

## Mechanical

### Dimensions

Enclosure: 14" x 9" x 3.5"

Power Module: 6.4" x 3.95" x 2.35"

Mounting: 5.36" x 3.54"

Shipping Weight: 7.65 lbs

## Regulatory

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

RoHS lead free

