



## AQU128 Power Supply

The AQU128 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 8 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
- Well regulated and conditioned power board protected by fuse and PTC self-resetting circuit breakers for common conditions including:
  - Overcurrent
  - Thermal runaway
  - Reverse battery hookup
- Fuse protected against surge for AC input and DC output
- Auto-sensing variable speed smart fan
- Power module has ON/OFF switch to disconnect DC output from power
- SPDT Form C output for remote monitoring of trouble: AC failure, Low battery, or over voltage
- Made in USA
- MagnaCare Lifetime Replacement No Fault Warranty
- UL and ULC Listed

# SPECIFICATIONS: AQU128

## Electrical

### Input Voltage Operating Range

90-240VAC  
47-63Hz

### Maximum Output Voltage

120 VA  
10 Amps @ 12VDC

### Continuous Output Voltage

96 VA  
8 Amps @ 12VDC

### Voltage Range

9.8 – 13.67VDC/ 13.65VDC typical

### Operating Frequency

23KHz

### Onboard Power Output

One (1) Output with ON/OFF switch

### Fuse Protection

Battery: PTC 8 Amp  
Current Overload: PTC, self-resetting  
Thermal Runaway: PTC, self-resetting

## Supervision/Monitoring

AC ON LED indicator: 6mA  
DC ON LED indicator: 6mA  
Trouble notification: SPDT Form C 200mA  
120VAC

## Environment

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

## Mechanical

### Dimensions

Enclosure: 14" x 14" x 4.75"

Power Module: 7.4" x 3.94" x 2.35"

Mounting: 3.5" x 6.8"

Shipping Weight: 7.65 lbs

## Regulatory

UL 294  
UL 603  
ULC-S318-96  
UL 1076  
CSA-C22.2 #205

RoHS lead free



SUPERVISION



BATTERY BACKUP



AMPERAGE



VOLTAGE



LISTED