



AQR5-4C Power Supply

The AQR5-4C power supply with battery charger/backup and supervision is a dual voltage switching power supply that uses any AC power source from 90-240VAC to provide up to 5 Amps @ 12VDC or 3 Amps @ 24VDC total output.

FEATURES:

- Clean, steady, accurate power output for best performance of access control equipment
- Field-selectable dual voltage 5A/3A @ 12/24VDC
- 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 self-resetting circuit breakers for common conditions including:
 - Overcurrent
 - Thermal runaway
 - Reverse battery hookup
- Class 2 power limited output
- Four-channel power distribution
 - Power limited PTC protected outputs, each with a green LED status indicator
 - ON/OFF power switch
- Fuse protected against surge for AC input and DC output
- SPDT Form C outputs for remote monitoring of:
 - AC failure
 - Low battery
- Made in USA
- MagnaCare Lifetime Replacement No Fault Warranty
- UL Listed

SPECIFICATIONS: AQD5-4C

Power Module: AQD5

Electrical

Input Voltage Operating Range

90-240VAC
47-63Hz

Maximum Output Voltage

72 VA
6 Amps @ 12VDC
3 Amps @ 24VDC

Continuous Output Voltage

60 VA
5 Amps @ 12VDC
3 Amps @ 24VDC

Voltage Range

9.8 – 13.8VDC/ 13.65 typical
19.8 – 28VDC/ 27.3 typical

Operating Frequency

132KHz

Onboard Power Output

One (1) Class 2 Power Limited

Fuse Protection

AC fuse: GMA-2 2 Amp
Battery: PTC 6 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
CAN/ULC-S533-02

RoHS lead free

Distribution Board: -4C

Electrical

PTC Circuit breakers hold current at 130°F

Output Terminal Block Rating

10A

Output Wire Gauge Range

14-28AWG*

Maximum Output Per Channel

4 channels @ 1,4A/channel

Mechanical

Dimensions

Enclosure: 14"x 9" x 3.5"

Power Board: 3.73"x 4.84" x 2"
Mounting: 3.41" x 4.5"

Distribution Board: 3.75" x 2.22" x 1"
Mounting: 3.41" x 1.87"

Shipping Weight: 7.90 lbs

*Use gauge appropriate for output voltage and wiring distance.



SUPERVISION



BATTERY BACKUP



AMPERAGE



DUAL VOLTAGE



LISTED

