AQD5
Switching Power Supply

The AQD5 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 PTC self-resetting circuit breakers for common conditions including:
  - Overcurrent
  - Thermal runaway
  - Reverse battery hookup
- Class 2 power limited output with a green LED status indicator
- 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 and ULC Listed

SPECIFICATIONS: AQD5

Electrical
Input Voltage Operating Range
90-240VAC
50-60Hz

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
19.6– 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

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

Mechanical
Enclosure: 14″x 9″ x 3.5″

Power Board: 6.05″ x 3.87″ x 2.28″
Mounting: 4.5″ x 3.41″

Shipping Weight: 6.85 lbs

Regulatory
UL 294
UL 603
ULC-S318-96
CAN/ULC-S533-02

RoHS lead free

SUPERVISION   BATTERY BACKUP   5/3 AMPERAGE   12/24 DUAL VOLTAGE   UL LISTED