AQU126-8F
Power Supply

The AQU126-8F 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 6 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 outputs for remote monitoring of:
  - AC failure
  - Low battery
- Made in USA
- MagnaCare Lifetime Replacement No Fault Warranty
- UL Listed

SPECIFICATIONS: AQU126-8F

Power Module: AQU126

Electrical

Input Voltage Operating Range
90-240VAC
47-63Hz

Maximum Output Voltage
78 VA
6.5 Amps @ 12VDC

Continuous Output Voltage
72 VA
6 Amps @ 12VDC

Voltage Range
9.8 – 13.7VDC/ 13.65 typical

Operating Frequency
27KHz

Onboard Power Output
One Output

Fuse Protection
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

Distribution Board: -8F

Electrical

Output Terminal Block Rating
40A

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.

Regulatory
UL 294

RoHS lead free

SUPERVISION   BATTERY BACKUP   6 AMPERAGE   12 VOLTAGE   UL LISTED