

AQL Series

Single, dual & multi-voltage
ready intelligent power system



An out-of-the-box solution that offers unique performance and value.

The AQL Series of switching power supplies is an out-of-the-box solution that makes installation easier. It is feature rich, network management ready and available in 12 or 24 VDC single, dual and multi-voltage units.

Features

Standard Features

- Low battery cutoff protects batteries from deep discharge
- Dedicated fast charger prolongs battery life
- Enhanced surge immunity for input/output protection
- LockSafe™ keeps locks cooler by providing a separate, dedicated battery charging circuit
- OutSmart™ technology dual-color LED notification which prevents incorrect voltage application to locking devices [Green: 12 V | Blue: 24 V]
- Auxiliary output rated 1.4 A continuous
- Mix and match UL Listing
- Instant auto-switch to battery on AC loss
- Multi-voltage with B100
- Integrated Fire Alarm Interface (FAI) allows main output shutdown or disconnect on a per output basis when using an R8 output module
- Remotely manage locks and connected devices when using an M8 managed output module on network models
- Network ready with optional Netlink™ module
- MagnaCare® lifetime replacement, no-fault, no questions asked warranty
- **Optional Features**
 - AC line voltage monitoring
 - Remote battery monitoring and testing
 - 1000 event data recording
 - Email fault reporting

Specifications

Certifications

- UL 294 Listed
- UL 603 Listed
- UL 1076 Listed
- ULC-S318 Listed
- ULC-S319 Listed
- CSA C22.2 #107.1
- RoHS Compliant

Electrical

- 12 VDC or 24 VDC output
- 12 VDC & 24 VDC output (optional) with B100
- 120 or 230 VAC input
- Up to 91% efficiency

Environmental

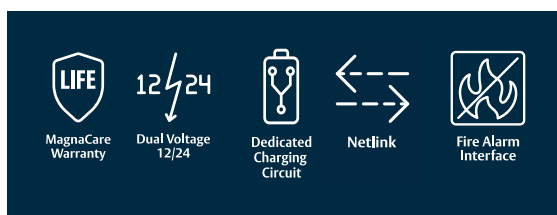
- Operating Temperature: 32° to 120° F [0° to 49° C]

Max Shipping Weight

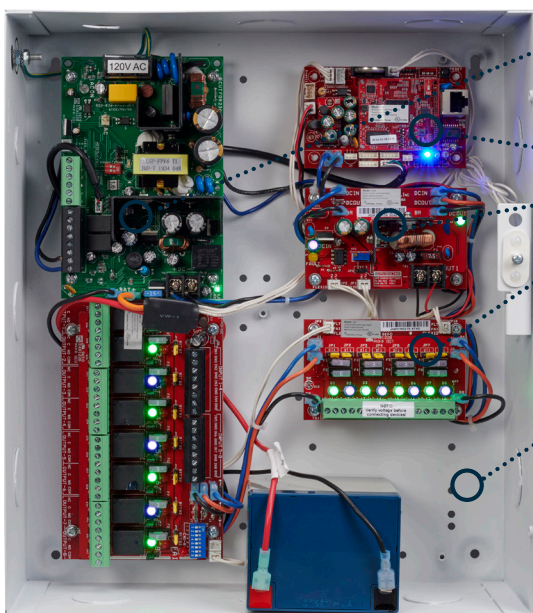
- 15.50 lbs [7 kg]

Dimensions

- E1 14"H x 12"W x 4.5"D [355.6mm H x 304.8mm W x 114.3mm D]
- E2 20"H x 16"W x 4.5"D [508mm H x 406.4mm W x 114.3mm D]



Step by Step Configuration



- 1** **Select One Power Supply Module**
 - AQL4 • AQL102
 - AQL6 • AQL104
- 2** **Select Required Modules***
 - B100 • M8 • R8P
 - D8 • M8P • NL4
 - D8P • R8
- 3** **Choose Enclosure****
 - E1 • E2
- 4** **Combine to Generate Final Part Number**
 Example:
 AQL4 - B100 + D8 + R8 + NL4 + E1 =
AQL4-B100D8R8NL4E1

*When ordering more than one module, indicate quantity before the part number to generate final part number; for example AQL4-3D8E1.

**No enclosure = Module PCB only. Each module may be ordered separately.

Models

| MODELS | AMPERAGE | RATED VOLTAGE | INPUT VOLTAGE | TYPICAL OUTPUT VOLTAGE | MULTI-VOLTAGE READY | CLASS 2 OUTPUTS |
|--------|----------|---------------|---------------|------------------------|---------------------|------------------------------|
| AQL4* | 4 | 12 VDC | 120/230 VAC | 12.5 or 25 VDC | Yes | Yes |
| AQL6 | 3 | 24 VDC | 120/230 VAC | 12.5 or 25 VDC | Yes | with PTC distribution boards |
| AQL102 | 6 | 12 or 24 VDC | 120/230 VAC | 12.5 VDC | Yes** | with PTC distribution boards |
| AQL104 | 10 | 24 VDC | 120/230 VAC | 25 VDC | Yes | with PTC distribution boards |

*AQL4 is field selectable. **Multi-voltage of 5 to 9 VDC only

How to Order For additional guidance on available configurations, please visit securitron.com

| POWER SUPPLY MODULE | SECONDARY VOLTAGE MODULE | AUXILIARY POWER DISTRIBUTION MODULE | LOCK POWER DISTRIBUTION MODULE | NETLINK MANAGED POWER MODULE | ENCLOSURE |
|--|--|---|--|--|------------------------|
| AQL4 | -B100 | D8 | M8 | NL4 | E2 |
| NOTE: The Power Supply provides a single voltage without the addition of a Secondary Voltage module (B100) | NOTE: The Secondary Voltage module utilizes power provided by the power supply that it is connected to and converts it to a secondary voltage; it does not provide additional power. | NOTE: Auxiliary Power Distribution modules provide up to (8) powered relay outputs. | NOTE: Lock Power Distribution modules provide up to (8) independently configurable relays outputs. | NOTE: The Netlink Managed Power module utilizes an embedded web application that provides monitoring, management & control for compatible connected devices. This information can be accessed locally or remotely via a secure connection. | |
| AQL4 4A @ 12VDC, 3A @ 24VDC | (blank) | D8 (1) Input (8) Outputs | M8 Netlink Managed, (8) Inputs (8) Outputs, (1) Configurable Output | NL4 4 Managed Outputs to connect up to 4 devices | E1 14H" x 12W" x 4.5D" |
| AQL6 6A @ 12VDC or 24VDC | B100 4A @ 5-18VDC | D8P (1) Input (8) Outputs, Class 2 rated | M8P Netlink Managed, (8) Inputs (8) Outputs, (1) Configurable Output, Class 2 rated | | E2 20H" x 16W" x 4.5D" |
| AQL102 10A @ 12VDC | | | R8 (8) Inputs (8) Outputs, (8) Configurable Outputs | | |
| AQL104 10A @ 24VDC | | | R8P (8) Inputs (8) Outputs, (8) Configurable Outputs, Class 2 rated | | |

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