

apS Advanced Power System



Features That Make a Difference:

- Provides uninterrupted power backup for iSTAR controllers and apC/8X
- Cabinet LEDs indicate battery voltage and AC fault
- Low battery warning
- AC failure supervision
- Single or dual battery configurations
- Dedicated interface with main power input of iSTAR and apC/8X
- Up to ten hours backup time with dual batteries
- Cabinet width matches iSTAR and apC/8X cabinet and uses the same key
- Reverse polarity protection
- Overcurrent protection
- Thermal protection
- UL 603 and UL 294 compliant

apS Advanced Power System provides uninterrupted power for iSTAR intelligent access controllers and apC/8X alarm monitoring panels. The combination of apS with iSTAR controllers or apC/8X panels serves as the basic building block for any C•CURE Security Management System.

apS connects directly to the main power input replacing the standard power supply provided with iSTAR or apC/8X. When apS senses an AC power failure, it immediately notifies the host while continuing to supply the power required to operate the panel and connected readers.

Two relay outputs are provided on apS for connection to inputs on iSTAR or apC/8X. One is connected to the power fail input and indicates loss of AC power to apS. A second output is connected to the low battery input and indicates low battery voltage and impending loss of backup power.

LED indicators located on the cabinet door of apS display AC loss and the relative battery voltage level to approximate the state of battery charge.

Specifications

Input

Voltage120 VAC, 60 Hz
Current2.5 amps AC maximum

Output

DC System
Voltage13.8 VDC
Current3.75 ADC
ProtectionSelf-resetting PTC rated at 3.75 ADC

Battery

Voltage13.8 VDC
Current4.5 ADC maximum
ProtectionFused at 10 ADC fault outputs

AC Fault

OutputForm C dry contact
ActivationAC power failure, blown AC fuse

Low Battery

OutputForm C dry contact
ActivationBelow 10.3 VDC

Batteries

Single Rating12 V/17 Ah
Dual Rating12 V/34 Ah
Battery Backup TimeFive hours at full load using one
17 Ah SLA battery; ten hours at full load
using two 17 Ah SLA batteries
Battery Recharge Time12 hours

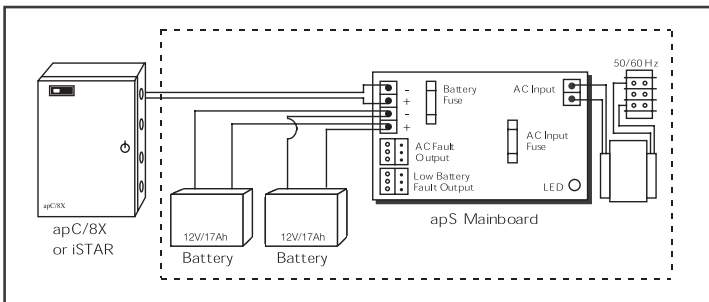
Physical

Dimensions (H x W x D)41.28 x 36.83 x 10.16 cm;
(16.25 x 14.5 x 4.0 in)
Weight without Battery8.8 kg (19.5 lbs)
Battery Weight (single)6.1 kg (13.5 lbs)
Housing16 gauge carbon steel
Operating Temperature0° to 50°C (32° to 122°F)
Heat Dissipation597 BTU/hr

Regulatory

Agency CertificationsUL 603, UL 294, RoHS, FCC

apS Installation Diagram



(1) These currents are estimates. Voltage tolerance on 12 VDC inputs is +/- 15%.

Current Draw at 12 VDC1

Panels and Boards
iSTAR GCM Boards290 mA
iSTAR ACM Boards180 mA
RM-4 Board75 mA
RM-4E Board280 mA without LCD
iSTAR Relay Board35 mA
I8 Input Module150 mA
R8 Output Module150 mA (no active relays – add 17 mA
per active relay)
apC/L120 mA
apC/8X120 mA
Star Coupler80 mA (no active relays – add 17 mA
per active relay)
Mini Star Coupler40 mA
WPSC Lower60 mA
WPSC Upper70 mA

Readers

Software House Readers125 mA
Indala FlexPass Readers65 mA
Indala FlexPass Midrange120 mA
Sensor Eng WR1, WR230 mA
HID MiniProx60 mA
HID Thinline II20 mA (avg); 115 mA (peak)
HID ProxPro100 mA
HID MaxiProx200 mA
Barantec Readers150 mA
ProxPoint Plus30 mA (avg); 75 mA (peak)
HID iCLASS Readers55 mA (avg); 121 mA (peak)
RM with Mag Stripe80 mA
RM with Mag Stripe with LCD180 mA
RM with Indala Proximity80 mA
RM with Indala Proximity
with LCD180 mA
RM with HID Proximity135 mA (avg); 250 mA (peak)
RM with HID Proximity
with LCD235 mA (avg); 350 mA (peak)
RM with HID
Proximity Mullion135 mA (avg); 250 mA (peak)
RM1-W with Wiegand80 mA
RM with HID iCLASS160 mA
RM with HID iCLASS and LCD225 mA
RM with Software House
Multi-Technology170 mA (avg); 220 mA (peak)
RM with Software House
Multi-Technology and LCD270 mA (avg); 320 mA (peak)
ARM-1 Relay Module17 mA (relay active)
MRM140 mA
Schlage Scramble Keypad500 mA max
Wireless PIM300 mA
Wireless Reader Interface (WR1)300 mA
T.Rex Request to Exit Detector50 mA

iSTAR Pro PCMCIA Cards

Diamond SupraMax Modem220 mA
SMC EZ Card 10/100 Ethernet400 mA

Model Numbers

AS0063-00apS with battery, 120 VAC
AS0063-01apS without battery, 120 VAC

Related Products



C•CURE 9000



C•CURE 800/8000



iSTAR Pro

Approvals



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