PSX Power Solutions
Single Voltage Power Systems

Features That Make a Difference:

- Provides uninterrupted back-up power for iSTAR and apC/8X door controllers

- Choice of 75W and 150W models

- Supervision of AC fault, system fault, ground fault, reverse battery, fire alarm activation

- Switched and resettable outputs

- Network communication interface option

- Intelligent battery charging and battery state monitoring

- Dual rate charging restores battery sets from 4Ah to 80Ah

- Reverse polarity, overcurrent, and thermal overload protection

- 4.5" enclosure depth accommodates large battery sets

- RoHS compliant, lead free, high efficiency design

- Lifetime warranty

PSX Single Voltage Power System is a high efficiency, off-line switch mode power supply battery charger designed as a general purpose power supply to provide uninterrupted power for locks, auxiliary equipment, and iSTAR intelligent controllers. Capable of providing two power outputs and featuring user selectability for 12 or 24V DC, the unit is configured in a painted steel, locking enclosure with tamper switch and integral battery space.

The first power output of the PSX Single Voltage Power System provides constant power and is typically used to power the iSTAR or apC door controller. Choose between a 75W and a 150W model depending on your power needs. The second output offers optional fire alarm interface (FAI) control for powering locks or other devices.

PSX Single Voltage Power System provides two fault relay outputs for connection to inputs on the iSTAR controller. One relay output is connected to the power fail input and indicates loss of AC power to the PSX Single Voltage Power System. The second relay output is connected to the low battery or fault input and indicates low battery or a problem within the power supply.

LED indicators on the unit indicate current status and the unit will accept an optional remote management device providing remote monitoring, remote battery testing, along with many other capabilities.

The available options include an eight output power distribution module and a network monitoring module.

PSX Auxiliary Distribution Module provides eight Class 2, power-limited outputs for auxiliary power. Each output is selectable for either a continuous output voltage or a switched output voltage controlled by the fire alarm input on the PSX power supply.

PSX Network Communication Module option provides the PSX Single Voltage Power System with the ability to offer remote monitoring and control over LAN/WAN. Power supply, battery condition, fault status, and temperature may be monitored and configured for remote notification via email or SNMP. Remote battery testing may be implemented manually or on a scheduled basis.

Specifications

Inputs

Voltage . . . . 120/230V AC, 50/60 Hz, model defined
Power
   PSX-75 . . . . 83W AC maximum
   PSX-150 . . . . 170W AC maximum
   PSX-250 . . . . 282W AC maximum

Outputs

DC System
Voltage . . . . 12.5 / 25V DC
Current
   PSX-75 . . . . 6/3A DC
   PSX-150 . . . . 12/6A DC
Protection
   PSX-75 . . . . Electronic protection and fusing (7.5A)
   PSX-150 . . . . Electronic protection and fusing (15A)

AC Fault

Output . . . . Form C dry contact
Activation . . . . AC power failure, blown AC fuse

Low Battery

Output . . . . Form C dry contact
Activation . . . . Below 10.2 / 20.4V DC

Battery Charge

Maximum Ah Rating
   PSX-75 . . . . 40Ah
   PSX-150 . . . . 80Ah
Minimum Ah Rating
   PSX-75 . . . . 1Ah
   PSX-150 . . . . 2Ah
Battery Recharge Time
   PSX-75 . . . . 40Ah / 48 hours
   PSX-150 . . . . 80Ah / 48 hours
Cabinet Battery Space . . . . Two 12Ah batteries

Physical

Dimensions (W x L x H) . . . . 35.6 x 30.5 x 11.4 cm (14 x 12 x 4.5 in)
Weight
   Without Battery . . . . 3.5 kg (7.7 lbs)
   Battery (single) . . . . 6.1 kg (13.5 lbs)
Operating Temperature . . . . 0° to 50°C (32° to 122°F)
Heat Dissipation
   PSX-75 . . . . 33 BTU/hr
   PSX-150 . . . . 66 BTU/hr

Regulatory

Tested by UL . . . . UL294, UL603, FCC Part 15, Subpart B
Tested by ETL . . . . UL294, UL603, UL1076, FCC Part 15,
                                Subpart B, ULC S318, ULCS319, ULCS527
                                CSA C22.2#107.1, CSA 22.2 #60950
                                CSFM Approved / CE / RoHS

Ordering Information

Model Numbers	Description
PSX-75-E1	PSX 75W Single Voltage Power System with dual outputs, 120V AC
PSX-75-E1-D8P	PSX 75W Single Voltage Power System with eight ouput PTC, 120V AC
PSX-75-MB	75W PSU module only, 120V AC
PSX-150-E1	PSX 150W Single Voltage Power System with dual outputs, 120V AC
PSX-150-E1-D8P	PSX 150W Single Voltage Power System with eight output PTC, 120V AC
PSX-150-MB	150W PSU module only, 120V AC
PSX-D8P	Auxiliary distribution module, eight output PTC
PSX-NL2	Network communication module, two ports

Related Products

C•CURE 9000   iSTAR Controllers   victor Unified Client   VideoEdge

Approvals

www.swhouse.com