

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 output 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



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iSTAR Controllers



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