

PSX Power Solutions

Single Voltage Rackmount System



Features That Make a Difference:

- Provides uninterrupted back-up power for iSTAR GCM controller with on board battery backup
- 6A/12V DC, 2U height rackmount
- Supervision of AC fault, system fault, ground fault, reverse battery, and 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 40Ah
- Reverse polarity, overcurrent, and thermal overload protection
- Enhanced input and output surge suppression
- RoHS compliant, lead free, high efficiency design
- Lifetime warranty

PSX Single Voltage Rackmount System is a 75W high efficiency, off-line switch mode power supply-battery charger designed as a general purpose power supply to provide uninterrupted power for iSTAR intelligent controllers. Capable of providing two power outputs of 12V DC the unit is configured in a painted steel, 2U rackmount enclosure. This unit provides the ability to house one 12V 8Ah battery within the enclosure for a complete 12V power source with standby capability.

The first power output of the PSX Single Voltage Rackmount System connects directly to the main power input of the iSTAR GCM and ACM(s). The second output offers optional fire alarm interface (FAI) ON/OFF control for use in powering other devices.

Provision is made to enable connection of a higher capacity 12V battery to the rear panel by interconnecting the unit to a separate PSX Rackmount Battery Enclosure.

PSX Single Voltage Rackmount 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 Rackmount 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.

The unit comes equipped with LED indicators that indicate current status. The unit will accept an optional remote management device providing remote monitoring, remote battery testing, along with many other capabilities.

Specifications

Inputs

Voltage 120/230V AC, 50/60 Hz, model defined
Power 83 watts AC maximum

Outputs

DC System
Voltage 12.5V DC
Current 6ADC
Protection Electronic protection and fusing (7.5A)

AC Fault

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

Low Battery

Output Form C dry contact
Activation Below 10.2V DC

Battery Charge

Maximum Ah Rating 40Ah
Minimum Ah Rating 1Ah
Rackmount Battery Space One 8Ahr battery
Battery Recharge time. 8Ah/10 hours

Physical

Dimensions (W x L x H) 48.3 x 9 x 36 cm (19 x 3.5 x 14 in)
Weight
Without Battery 8.6 kg (19 lbs)
With Battery 11.4 kg (25 lbs)
Operating Temperature 0° to 50°C (32° to 122°F)
Heat Dissipation 33 BTU/hr

Regulatory

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-GCM-RB	PSX Power Solutions Single Voltage rackmount with battery space, 120V AC
PSX-GCM-RB-E	PSX Power Solutions Single Voltage rackmount with battery space, 230V AC

Back Panel Connections



Related Products



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