

Power Supplies

Application

- The PS1 power supply is a robust filtered DC power source for the Millennium controller boards. Its secondary board generates the necessary biasing voltages for the RS-485 communications, which link the controller boards to the Site Control Unit.
- Includes batteries, enclosure, and key lock

Specifications

Input Power Requirements

- Requires 120 VAC or 220 VAC input on a 5 Amp unswitched dedicated circuit

Output Power

- Delivers a regulated and filtered 13.8 VDC output at 5 Amps

Battery Backup

- Uses two 6 Volt, 8 Amp lead acid type batteries

Fuse Protection

- The AC input is protected by a 2 Amp low blow fuse

- A 5 Amp slow blow fuse is used to protect the batteries

Protection

- The DC output is current limited against possible short circuits
- AC failure monitoring
- Form A output for monitoring the status of the AC input

Cover Tamper Switch

- Form A output to monitor the status of the enclosure door

Approvals and Listings

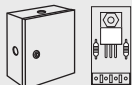
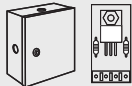
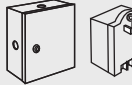
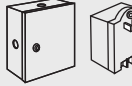

- UL 294, CSA 1950

Operating Temperature

- 14° to 104°F (-10° to 40°C) less than 90% non-condensing humidity

Dimensions (PS1-100212-001) (PS1-1002213-001)

- 14.25" x 12.25" X 4.125" @ 27lbs
- 36.2 cm x 31.1 cm x 10.5 cm @ 12.2 kg

Model #	Picture	Description
PS1-100212-001		Power Supply and 8AH Batteries, 120V/60Hz 5A/12V, line conditioner and batteries included. UL Listed (294), CSA Listed (1950)
PS1-100213-001		Power Supply and 8AH Batteries, 240V/50Hz 5A/12V, line conditioner and batteries included. CSA Listed (1950)
PS2-510068		Power Supply and Charger 120V/60Hz 12V, 2.5 Amp Key Lockable Cabinet (Without line conditioner) Includes wall transformer
EPS-1		Power Supply and 4AH Battery, 120V/60Hz 1A/12V. (Without line conditioner)
WPT-1		Wire-In Transformer 120 Volts - 1A/12V Option to EPS-1. May be required by some cities
124-033067		Line Conditioner PCB for PS1
132-024003		Battery, 6V 8AH gelled lead acid for PS1 (2 required per power supply)
132-100780		Battery, 12V 4AH for EPS-1 (One required per power supply).