

# System Engineering International PoweRack 230e



The PR230e is a premises powering unit that integrates NT1 caging, 48 volt DC power, and battery backup in a single unit for powering ISDN telephones and SEI or Lucent P230 circuit card NT1's.

The PR230e is available in two configurations. The PR230e-24 will house and power up to 12 P230 NT1's and provides power for up to 24 phones in multipoint mode. The PR230e-48 adds additional caging to house and power a total of 24 NT1's with power for 48 multipoint phones. Note that the PR230e-24 can be field upgraded to PR230e-48 capacity via the 230R NT1 cage.



PR230e output distribution is provided through standard 50 pin amphenol connectors which eliminate the need to use punchdown blocks. All power lines to the terminals and NT1's are protected by solid state thermal fusing. An automatic test circuit monitors battery performance and provides an alarm indication when the internal battery pack needs to be replaced. During extended periods of utility outage the batteries are protected from over-discharge by the built-in low voltage detector and disconnect circuit. Remote monitoring for AC power and battery performance is provided by a NC and NO contact closure that can be interfaced to a remote alarm unit.

The PR230e-24 can be utilized to provide power to third-party NT1 cages such as the Lucent M-210. Additionally, a stand-alone 230R expansion cage may be powered by legacy powering units such as the Lucent 1145.

All PR series units are mountable either on a wall or on 19" racks. Mounting brackets for 23" or 25" racks may be ordered as options (specify 23RM or 25RM after the model number).



**When NT1s are purchased with a PoweRack 230e, SEI will install and individually test each NT1, providing the customer with a fully configured solution suitable for immediate installation.**

## Ordering Information

Model #	Description	Dimensions (W" x D" x H")
PR230e-24-2.5	PoweRack and 2 hour battery for 12 P230 NT1's and 24 Phones	19 x 7.5 x 7
PR230e-24-10.5	PoweRack and 8 hour battery for 12 P230 NT1's and 24 Phones	19 x 7.5 x 13
PR230e-48-2.5	PoweRack and 1 hour battery for 24 P230 NT1's and 48 Phones	19 x 7.5 x 14
PR230e-48-10.5	PoweRack and 4 hour battery for 24 P230 NT1's and 48 Phones	19 x 7.5 x 20
PR230e-48-18.5	PoweRack and 8 hour battery for 24 P230 NT1's and 48 Phones	19 x 7.5 x 26

## Technical Specifications

Electrical	Environmental
Input Voltage: 120VAC +10%/-15% (240 VAC Factory Option)  Output Voltage: 42 Vdc to 56 Vdc	Temperature: -4°F to +104°F (-20 °C to +40 °C) Humidity : 0 to 95% non-condensing Thermal: PR230e-24 230 BTU/hr max PR230e-48 270 BTU/hr max  (Optimum battery life will be achieved if the unit is operated at a temperature of 25°C.)
NT1 Compatibility	Standards
P230	Designed to comply with UL 60950

**To Order Contact ISDN Sales at 1-800-765-4734**  
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