

System Engineering International PoweRack 230i



The PR230i 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 PR230i is available in two configurations. The PR230i-24 will house and power up to 12 P230 NT1's and provides power for up to 24 phones in multipoint mode. The PR230i-48 adds additional caging to house and power a total of 24 NT1's with power for 48 multipoint phones. Note that the PR230i-24 can be field upgraded to PR230i-48 capacity by adding a 230R NT1 cage.

PR230i 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.



The PR230i-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.

Remote monitoring is provided via a relay contact closure (included) or SNMP with the optional Power Management Package (PMP). All PR series units are mountable either on a wall or on 19" racks.



When NT1s are purchased with a PoweRack 230i, 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")
PR230i-24	PoweRack and 2 hour battery for 12 P230 NT1's and 24 Phones	19 x 7.5 x 7
PR230i-24-FP	PoweRack and 2 hour battery for 12 P230 NT1's and 24 Phones, fully populated with 12 P230 NTs included	19 x 7.5 x 7
PR230i-48	PoweRack and 1 hour battery for 24 P230 NT1's and 48 Phones	19 x 7.5 x 14
PR230i-48-FP	PoweRack and 1 hour battery for 24 P230 NT1's and 48 Phones, fully populated with 24 P230 NTs included	19 x 7.5 x 14

Additional Battery Options

BP-8i	8 AH battery pack for use with 1145 and SEI ISDN Power Products, with event notification	19 x 5 x 6.25
Bat-Cab	Battery Cabinet with batteries from 25Ah to 200Ah capacity	CALL

Technical Specifications

Electrical	Environmental
Input Voltage: 85-264 VAC, 43-64HZ Output Voltage: 54-55Vdc when on AC 42-48Vdc when on battery	Temperature: -4°F to +104°F (-20 °C to +40 °C) Humidity : 0 to 95% non-condensing Thermal: PR230i-24 230 BTU/hr max PR230i-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 and with FCC Part 15, Class A

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