

System Engineering International PowerRack 300i



The PR300i integrates NT1 caging, 48 volt DC power, and battery backup in a single unit for powering ISDN telephones and SEI B300 NT1's. The PR300i is available in a number of models that house and power up to 48 NT1's, while powering up to 96 phones in a multipoint mode. The PowerRack 300i can be either wall or rack mounted. The small footprint and simple installation of the PR300i allows a cost-effective installation without the need for punchdown blocks. During extended periods of utility outage, the batteries are protected from over-discharge by the built-in low voltage disconnect circuit. An automatic test circuit monitors battery performance and provides an alarm indication when the internal battery pack needs to be replaced. Remote monitoring for AC power and battery performance is provided by NC and NO contact closures that can be interfaced with a remote alarm unit.



The PR 300i provides for output distribution either via an integrated S/T patch panel or standard 50-pin Amphenol connectors. NT1 capacity for the PR300i-12, PR300i-24 and PR300i-72 models can easily be increased in the field by adding a 300R-U cage. Battery backup can be extended for all models by adding external BP-8i battery packs.

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 PowerRack 300i, 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")
PR300i-24	PoweRack and 8 hour battery for 12 B300 NT1's and 24 Phones	19 x 6 x 15
PR300i-24-FP	PoweRack and 8 hour battery for 12 B300 NT1's and 24 Phones, fully populated with 12 B300s included	19 x 6 x 15
PR300i-48	PoweRack and 4 hour battery for 24 B300 NT1's and 48 Phones	19 x 6 x 20
PR300i-48-FP	PoweRack and 4 hour battery for 24 B300 NT1's and 48 Phones, fully populated with 24 B300s included	19 x 6 x 20
PR300i-72	PoweRack and 2 hour battery for 36 B300 NT1's and 72 Phones	19 x 6 x 25
PR300i-72-FP	PoweRack and 2 hour battery for 36 B300 NT1's and 72 Phones, fully populated with 36 B300s included	19 x 6 x 25
PR300i-96	PoweRack and 1 hour battery for 48 B300 NT1's and 96 Phones	19 x 6 x 30
PR300i-96-FP	PoweRack and 1 hour battery for 48 B300 NT1's and 96 Phones, fully populated with 48 B300s included	19 x 6 x 30

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: PR300i-24, 230 BTU/hr max PR300i-48, 270 BTU/hr max PR300i-72, 310 BTU/hr max PR300i-96, 350 BTU/hr max Optimum battery life will be achieved if the unit is operated at a temperature of 25°C.
NT1 Compatibility	Standards
B-300	Designed to comply with UL 60950 and with FCC Part 15, Class A

To Order Contact ISDN Sales at 301-694-9601
 Visit us on the web at www.seipower.com