

System Engineering International PoweRack 300e



The PR300e integrates NT1 caging, 48 volt DC power, and battery backup in a single unit for powering ISDN telephones and SEI B300 NT1's. The PR300e 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 PoweRack 300e can be either wall or rack mounted. The small footprint and simple installation of the PR300e 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 packs needs to be replaced. Remote monitoring for AC power and battery performance is provided by NC and NO contact closure that can be interfaced to a remote alarm unit.



The PR 300e provides for output distribution either via an integrated S/T patch panel or standard 50-pin Amphenol connectors. NT1 capacity for the PR300e-24 and PR300e-72 models can be increased in the field by adding a 300R-U NT1 cage. Battery backup can be extended for all models by adding external BP-2 or BP-8U battery packs. Sites with power-hungry applications can add an optional PP300 Auxiliary Power Pack to increase the power output of the PR300e by an additional 250 Watts. The PP300 can also be utilized to configure the PR300e for N+1 redundancy, or to allow on-line system maintenance.

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 300e, 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")
PR300e-24-2.5	PoweRack and 2 hour battery for 12 B300 NT1's and 24 Phones	19 x 6 x 12
PR300e-24-10.5	PoweRack and 8 hour battery for 12 B300 NT1's and 24 Phones	19 x 6 x 18
PR300e-48-2.5	PoweRack and 1 hour battery for 24 B300 NT1's and 48 Phones	19 x 6 x 17
PR300e-48-10.5	PoweRack and 4 hour battery for 24 B300 NT1's and 48 Phones	19 x 6 x 23
PR300e-48-18.5	PoweRack and 8 hour battery for 24 B300 NT1's and 48 Phones	19 x 6 x 29
PR300e-72-8	PoweRack and 2 hour battery for 36 B300 NT1's and 72 Phones	19 x 6 x 30
PR300e-72-16	PoweRack and 4 hour battery for 36 B300 NT1's and 72 Phones	19 x 6 x 36
PR300e-72-33	PoweRack and 8 hour battery cabinet for 36 B300 NT1's and 72 Phones	CALL
PR300e-96-8	PoweRack and 1 hour battery for 48 B300 NT1's and 96 Phones	19 x 6 x 35
PR300e-96-16	PoweRack and 2 hour battery for 48 B300 NT1's and 96 Phones	19 x 6 x 41
PR300e-96-24	PoweRack and 4 hour battery for 48 B300 NT1's and 96 Phones	19 x 6 x 47
PR300e-96-43	PoweRack and 8 hour battery cabinet for 48 B300 NT1's and 96 Phones	CALL

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: PR300e-24, 230 BTU/hr max PR300e-48, 270 BTU/hr max PR300e-72, 310 BTU/hr max PR300e-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	UL 60950

To Order Contact ISDN Sales at 1-800-765-4734
 Visit us on the web at www.seipower.com