



Inverter – PRN1000B

Inverter PARON 1000B is specially designed to cater the AC power operated Load in Telecom Cell sites. PARON 1000B is a single phase Inverter with dual mode of operation Inverter and Mains mode. It converter 48VDC supply to 230V AC supply to power AC load such as Micro/Pico cells. Inverter is optimally designed for 2U shelf solutions with 2U x 2U form factor, which can easily handle the multiple numbers of cells of the site based on the power capacity.

Paron is suitably designed to house in prewired shelf of 2U height for standard 19" rack mount configuration as per telecom standards.

Main Features

- Energy saving – leading edge efficiency
- Hot plug design in prewired shelf
- Advanced energy saving functionality
- Easy User interface
- Inbuilt Protection
- Extended operating temperature range

Applications

- Network base stations
- 4G/LTE Sites

Technical Specifications

Model	PRN1000B
1. INPUT DC	
Input Voltage	42 – 58 VDC
Overvoltage protection	58V
Low Voltage Cut off	42V DC
Reverse Polarity Protection	Yes
Input Current Nom.	21A (@48V)
Internal Protection	Inbuilt Internal Fuse
Low Voltage Cut off	42V
2. AC Output	
Nominal system voltage	230 V \pm 3%
Continuous Power	800 W
Rating VA	1 KVA
Overload Capacity	100 ~ 110% for 3 min 110 ~ 150% for 3 sec
Overload Protection	Yes
Short Circuit Protection	Yes
Protection	Internal fuse 8A
Over Temperature Protection	Yes
Crest factor	3.5:1
4. GENERAL	
Efficiency	\geq 90%
Control and monitoring	Inbuilt high end Microcontroller
User interface	LED display & Potential free contacts
Dimensions (W x H x D)	377.8 x 85.4 x 82 mm
Weight	2.9 kg
Cooling	Fan cooled
Acoustics	55 dB (A) - TBD
Operating temperature	-5 to +65 °C (OTP 70 \pm 2°C) Power deration >55°C 800VA/640W @ 65 °C
Communication Interface	RS 485 (Optional)
IP Protection	IP20

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