

500 Watt Rectifier Module

Features:

- Small size of only 10.20 x 3.39 x 1.59" / 259 x 86 x 40.5mm
- Voltage Programming (Ideal for Battery Management)
- Hot swap Fault Tolerant
- Active current Sharing
- Remote ON/OFF
- Extended temperature range
- UL, CSA, CE Certification
- EMI Level B



FEATURES	BENEFITS
High Power Density	Leaves plenty of room for your applications
Constant Output Power	Ideally suited for battery back-up & power distribution applications
Scalability up to 2500 Watts	Allows flexibility with minimum investment
1U x 2U high form factor	Minimize space required for power needs

KEY MARKETS & APF	LICATIONS
Distributed power	Network Equipment
Access Nodes	Wireless / Cellular
Satellite Hubs	Central Office Switching

RF Amplifiers	PCS Installations
Base Stations	 Transmission Fau

mission Equipment

Input Voltage Range 90-264 VAC, 47-63 Hz Input Current Maximum 6.9A @ 90VAC, 2.6A @ 230 VAC, full Load Inrush Current 20A max. peak (per ETS 300 132-1 and bellcore specifications) Input Protection Single 10 Amp Fuse in line Power Factor 0.99 typical complies with IEC555, EN60555-2, EN61000-3-2 Efficiency 85% typical at 230 VAC Full Load Operation (including ORing diode) Output Power 500W Constant Power Output Voltage Range -40 ~ -59VDC with remote programming, factory set at -54 VDC Output Current 9.25A @ -54VDC, 12.5A @ -40VDC Output Regulation ± 0.5% Load Regulation, ± 0.1% Line Regulation Output Ripple & Noise Complies with ETS300 132-2, 32dBnrc. Bandwidth: 25Hz - 20kHz. 2mVrms pk-pk with 0.1μF ceramic and 10μF electrolytic caps Transient Response Overshoot 1V max. Recovery time: Start-Up Time 1 sec typical (max. 3sec) Hold-Up Time 1 0msec at full load Remote on/off 0 N if >3V or open; OFF if <1V (max. sink 1mA) Open collector type Current Limit Protection 25 Amp Maximum Over Toetciton -59.5 VDC Operating Temperature -20°C to +70°C. power derating above 55°C at 10W per °C (-40°C start
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Cooling Ean gooded front to book wariable appeal
Cooling Fan cooled front to back; variable speed
EMI Class B (FCC and CISPR compliant) - EN55022 level B, CE marked, Telecordia GR-63-CORE
LED Indicators LED: DC good (green)
Controls and Signals Load sharing, Remote ON/OFF, DC fault, Current Monitor, Over temperature protection
Shock & Vibration IEC68-2-27, MIL-STD-810E
Input to Ground:1500VAC, Input to Output:3000VAC
Dimensions 10.20 (L) x 3.39 (W) x 1.59" (H) / 259 (L) x 86 (W) x 40.5mm (H)
Weight 2.8 lbs / 1.35kgs

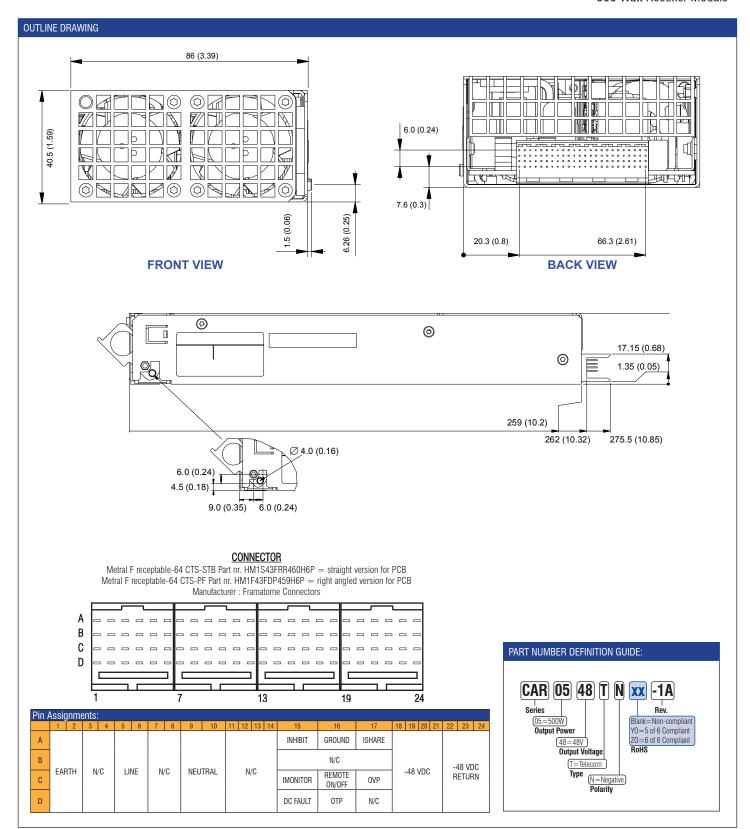
Specifications listed assume 25°C Ambient Operating Temperature and Full Load Operation unless otherwise specified. This product is qualified for use in OEM equipment and is not appropriate for stand-alone operation. The information contained within this specification is believed to be true and correct at the time of publication, however, Cherokee International accepts no responsibility for consequences arising from printing errors or inaccuracies. The information and specifications contained herein are subject to change without notice.





CARO548TN

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