

Features:

- Constant power output
- Fits in 19" 1U high, ETSI compliant
- Wide input range
- Outdoor operating temperature range
- Active load sharing / redundancy diode
- CAN-Bus enabled

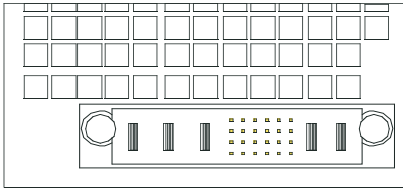
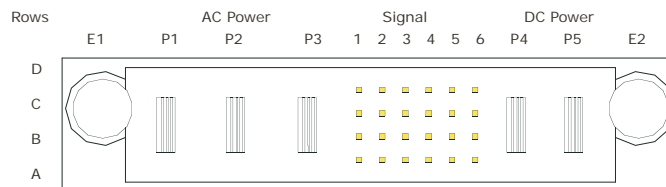
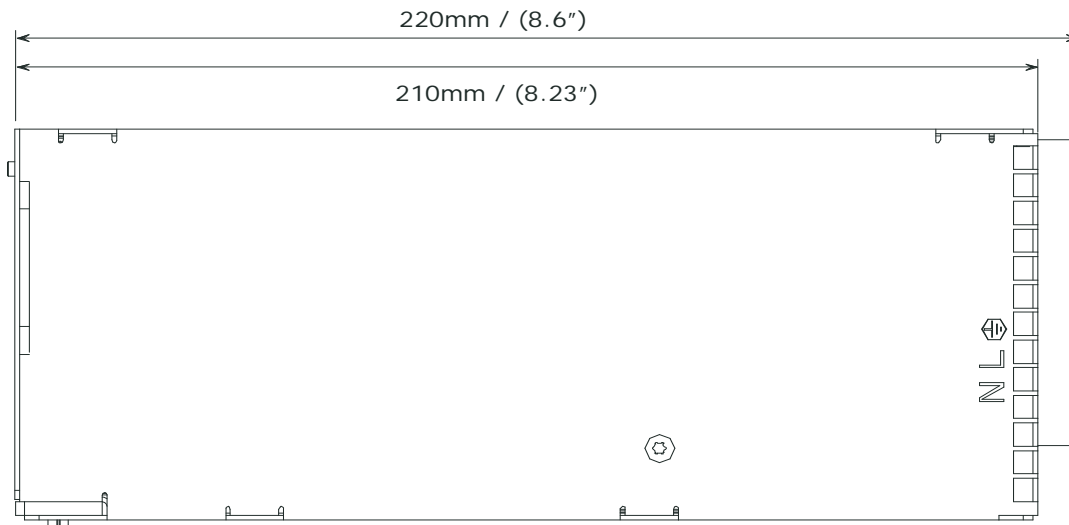
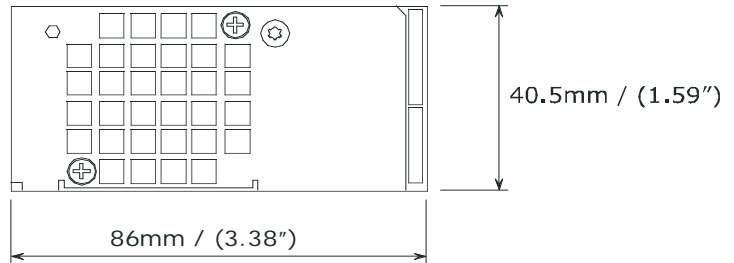


FEATURES	BENEFITS
Only 256mm deep	Meets low profile requirement (300mm)
Constant output power	Ideally suited to dc load input characteristics
Load sharing, fault redundant	Excellent reliability in n+1 operation
Hot swap, no tools required	Easy installation and maintenance
International Compliance	Reduced logistic costs
Works in all positions	Great design flexibility

KEY MARKETS & APPLICATIONS
<ul style="list-style-type: none"> • Outdoor plants • Access networks • Satellite hubs • ATCA platforms

SPECIFICATIONS	850W -54V Rectifier Module
Input Voltage Range	90-264Vrms, 47Hz - 63Hz, operates to 280Vrms; with no break till 300Vrms
Input Current (maximum)	7.0A @ 90VAC, 5.8A @ 180VAC
Inrush Current	20A max. peak (per ETS 300 132-1)
Input Fuse	1 fuse 10Amp in line
Power Factor and Harmonics	0.99 typical complies with EN61000-3-2 Class B
Efficiency	90% typical
Output Power	Constant Power: 850W high range, 500W low range
Output Current	15.7A @ 54V (230VAC input); 9.3A @54V (110VAC input)
Output Voltage Range	-42VDC to -58VDC
Voltage Regulation	± 0.5% load effect; ± 0.1% line effect
Output Ripple and Noise	20kHz bandwidth per ETS300132-2, CCITT 0.41, Wide band noise: max. 2mVrms psophometric; 10mVrms non-weighted
Transient Response	Overshoot 1V max. Recovery time: 4ms max. @ 50% load step and di/dt<0,5A/μs
Start-up Time	1.5 sec typical (max. 2.5 sec)
Hold-up Time	10msec at full load
Remote ON / OFF	Open : ON Closed : OFF
Current Limit Protection	20.3A
Short Circuit Current	25A max.
Over Voltage Protection	-59.5VDC Latching
Over Temperature Protection	Non latching; protection active when internal temperature is too high
Operating Temperature	-20°C to +70°C / (-4°F to +158°F). Power derating above 55°C/131°F 2% per °C ; starts at -40°C / (-40°F)
Output Power Good	PNP open collector type; high if Vout >39.5V; < 1V (max. sink 1mA) if Vout > 39V
EMI	Class B (FCC and CISPR compliant) - EN55022 level B, CE marked, Teledcordia GR-63-CORE
LED Indicators	DC OK: green; Derating: green blinking; Stand-by orange; DC < 40V: red; Failure (AC, OTP, short-circuit, fan): red blinking
Cooling	Fan cooled front to back; variable speed
Shock and Vibration	IEC68-2-27, MIL-STD-810E
Alarm and Monitoring	DC OK; AC OK; Temp. OK; High mains, missing module, Output current reading
Controls	Active load sharing, Remote on / off, Voltage programming
Dimensions	1.59" x 3.38" x 8.27" / 40.5mm x 86mm x 210mm
Weight	1.16kg / (2.56lbs)

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.

OUTLINE DRAWING
Rear View

Front View


FCI / Berg Part # 5139-070. Mates with FCI / Berg Part # 51915-050

Pin	Function	Pin	Function	Pin	Function	Pin	Function	Pin	Function
A1	Not Used	B1	TEMP OK	C1	Missing Module	D1	I Readout	P1	Neutral
A2	Not Used	B2	Reserved	C2	AC High	D2	0V Signal	P2	Line
A3	Not Used	B3	Reserved	C3	AC OK	D3	Inhibit	P3	Ground
A4	Not Used	B4	Reserved	C4	Current Sharing	D4	V Prog	P4	Vout (-)
A5	Reserved	B5	Reserved	C5	DC OK	D5	Remote on/off	P5	Vout (+)
A6	Reserved	B6	0V Signal	C6	CAN-L	D6	CAN-H		

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