

Product Features:

- Single & Multiple Output Models
- Universal 85-264 VAC Input
- 1U High Profile
- No Minimum Load Requirements
- Meets VDE/FCC Class "B" EMI
- Over-Voltage, Over-Current, Over-Temperature & Over-Power Protection Features
- International Safety Approvals & CE Mark (LVD)

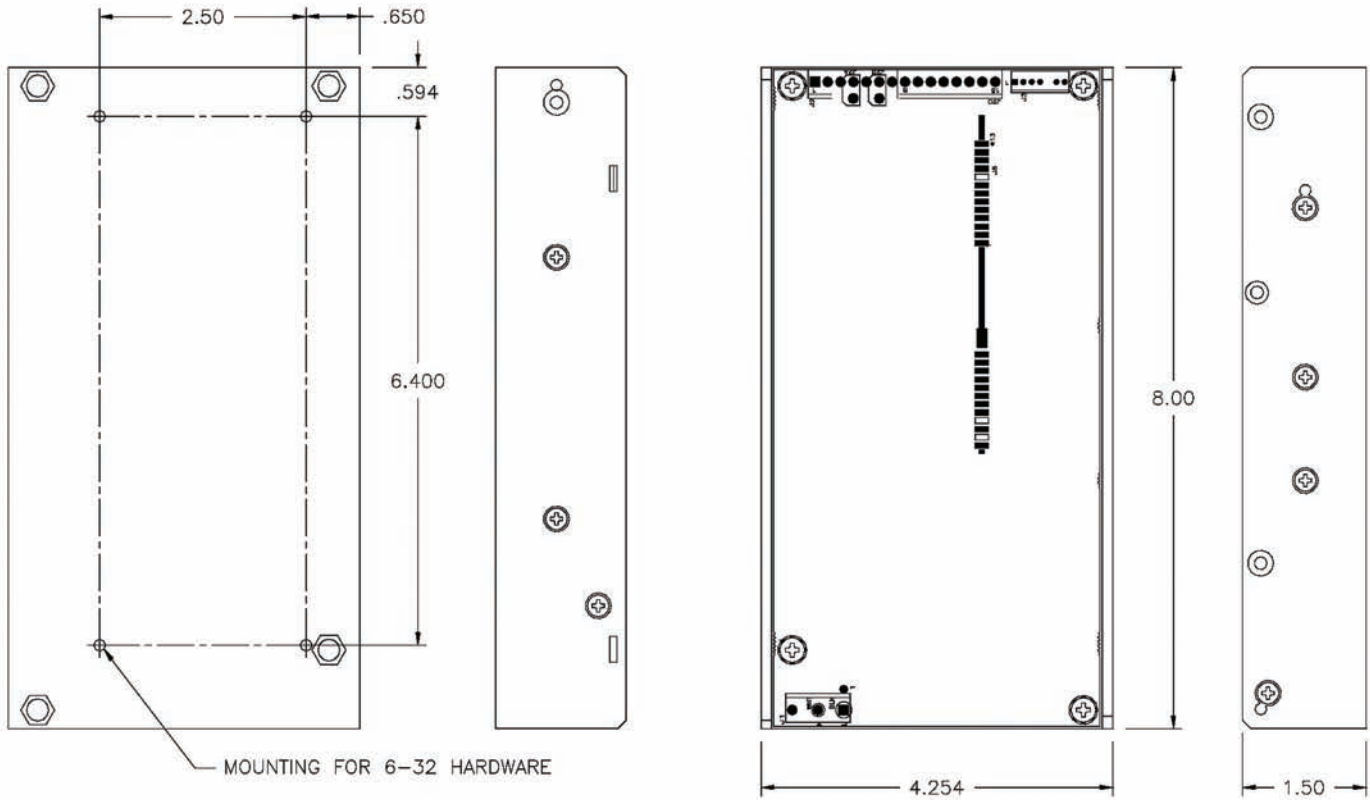


FEATURES	BENEFITS	KEY MARKET SEGMENTS & APPLICATIONS
PFC Compliant to EN61000-3-2	Supports global use of power supply	<ul style="list-style-type: none"> ■ Automation Equipment ■ Gaming Application ■ Point of Sale Equipment ■ Networking / Datacom
Low Profile	Reduced height to fit 1U applications	<ul style="list-style-type: none"> ■ Industrial Applications ■ Computer Peripherals ■ Test Equipment
Economical	Lowered system costs	
Flexibility with options	Custom capability without NRE & long lead-times	

SPECIFICATIONS	CAP200 Series of 200 Watt Low Profile Switching Power Supplies
Input Voltage Range	Universal AC Input Range (85-264VAC; 47-63Hz)
Inrush Current (Cold Start)	20A @ 115VAC, 35A @ 230VAC typical
Input Current	2.7A max. (at 90VAC)
Input Protection	Single fuse (4A, 250VAC / 5MF Type)
Power Factor	0.99 at Full Load and 230 VAC Operatio, Compliant to EN61000-3-2 (Class D)
EMI	FCC and VDE Level "B" (Conducted)
Efficiency	70% typical (measured at full load)
Maximum Output Power	150 Watts Continuous
Total Power Over-Load Limit	Set at 200W typical by sensing the primary input current
Voltage Adjustment Range	+/-5%
Regulation	+/- 5% (typical), CCP151 has 2 tightly regulated independent V1 & V2at +/-1% (typical) when V4 is +/- 10%
Output Ripple & Noise	1% or 50mV (whichever is greater) pk-pk maximum @ 20MHz
Over Voltage Protection	Trip point set at 116% - 130% of V1 or V2. To reset, cycle input power
Over Current Limit	Limited by Power-Over Load Limit, except 1A outputs by monolithic integrated circuit post regulator
Hold-Up Time	>20ms at full load,
Transient Response	Peak deviation of ± 3% with 300µs recover for a 25% step load change at 3A/µs slew rate
Status & Control Signals	Remote Sense (Compensates 5% of V1 & V2 only), Remote on/off (TTL Low or Short = Off, Open Collector), Input Power Fail (TTL High for normal operation, goes low >4ms before loss of regulation), DC Good Signal (TTL High for normal operation, Open Collector)
Operating Temperature	0~50°C. Derates linearly from 50°C to 70°C at 2.5% per °C, 200 LFM Required for Full Power
Shock & Vibration	Per MIL STD-810E per 516.4 Part IV
Dimensions	8.00 x 4.254 x 1.50"
Safety Approvals	UL 1950, CSA 22.2 No. 950 & 234, TUV (EN60950), CE Mark (LVD)

MODEL	Output Configurations			
	V1 OUTPUT	V2 OUTPUT	V3 OUTPUT	V4 OUTPUT
CCP151E1	2.2V @ 26A			
CCP151H1	24V @ 7A			
CCP150E2	3.3V @ 30A			12V @ 2A
CCP150K2	5V @ 26A			12V @ 6A
CCP150H3	5V @ 26A	3.3V @ 8A		12V @ 6A
CCP151H4	5V @ 26A	3.3V @ 8A	12V @ 1A	12V @ 6A
CCP150P4	5V @ 26A	12V @ 1A	-12V @ 1A	24V @ 3A
CCP151S4	12V @ 3.5A	5V @ 15A	12V @ 1A	24V @ 3A
CCP151T4	5V @ 26A	3.3V @ 8A	-15V @ 1A	15V @ 3A

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

Connector Information

J1 - AMP P/N 640445-5 Mates with 640426-5		J2 - AMP P/N 1-640445-5 Mates with 1-640426-5				J3: CCP150 AMP P/N 640456-7 (mates with 640440-7) J3: CCP151 AMP P/N 640456-5 (mates with 640440-5)				J4 AMP P/N 640456 Mates with 640440-4	
ALL MODELS		CCP150 MODELS		CCP151 MODELS		CCP150 MODELS		CCP151 MODELS		CCP151 Models	
PIN	FUNCTION	PIN(S)	FUNCTION	PIN(S)	FUNCTION	PIN(S)	FUNCTION	PIN(S)	FUNCTION	PIN(S)	FUNCTION
1	LINE	1-4	+V1	1-2	+V2	1	Power Fail	1	Power Fail	1	+V1 Sense
2	-	5-9	V1, V3, V4 Rtn	3-6	+V1	2	V1, V3, V4 Rtn	2	-	2	-V1 Sense
3	NEUTRAL	10	+V2 (Floating)	7-11	V1, V2, V4 Rtn	3	-V1 Sense	3	V1, V2, V4 Rtn	3	+V2 Sense
4	-	11	-V2 (Floating)	12	+V3 (Floating)	4	+V1 Sense	4	Remote on/off	4	-V2 Sense
5	GROUND	12	-V3	13	-V3 (Floating)	5	-	5	V1, V2, V4 Rtn		
		13-15	+V4	14-15	+V4	6	Remote on/off				
						7	V1, V3, V4 Rtn				