

Product Features:

- Single & Multiple Output Models
- Universal AC Input Range with Active PFC
- Remote On/Off, Remote Sense, Margin & Power Good Signals
- No Minimum Load Requirements
- Meets VDE/FCC Class "B" EMI
- Over-Temperature, Over-Voltage, Over-Current & Over-Power Protection Features
- International Safety Certifications



FEATURES	BENEFITS	KEY MARKET SEGMENTS & APPLICATIONS	
PFC Compliant to EN61000-3-2	Supports global use of power supply	■ Automation Equipment	■ Industrial Applications
Input protection per EN61000-4	Designed to operate in harsh environmental conditions	■ Gaming Application	■ Computer Peripherals
Margining on V1 & V2	Ability to compensate for system voltage drops	■ Point of Sale Equipment	■ Test Equipment
Economical	Lowered system costs	■ Networking / Datacom	
Flexibility with options	Custom capability without NRE & long lead-times		

SPECIFICATIONS	400 Watt Switching Power Supply with 1-4 Outputs
Input Voltage Range	Universal AC Input (85-264VAC; 47-63Hz)
Inrush Current (Cold Start)	35A @ 115VAC, 70A @ 230VAC typical
Input Current	6.5A max. (at 90VAC)
Input Protection	Single fuse (10.0A, 250VAC / HB Type)
EMI	FCC and VDE Level "B" (Conducted)
Efficiency	70% typical (measured at full load)
Maximum Output Power	400 Watts Continuous
Total Power Over-Load Limit	Set at 480W typical by sensing the primary input current
Voltage Adjustment Range	+/-5% of V1 / V2 / V3 only, V4 is fixed
Regulation	+/-2% max of V1 / V2 / V3, V4 is +/-4%
Output Ripple & Noise	1% pk-pk maximum @ 20MHz
Over Voltage Protection	Trip point set at 120% - 130% of V1 or V2. To reset, cycle input power
Over Current Limit	110 - 135% of max lout. Output recovers when the fault is removed
Hold-Up Time	20ms at full load, low line for V1, V2 and V3. 3ms on V4
Transient Response	Peak deviation of $\pm 3\%$ with a 25% step load change at 3A/ μ s 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	Full load from 0 to 50°C. Derates linearly from 50°C to 70°C at 2.5% per °C, 25 CFM Required for Full Power
Shock & Vibration	Per MIL STD-810E per 516.4 Part IV
Dimensions	10.00 x 5.00 x 1.95" (215.9mm x 125.7mm x 38.1mm) for standard open frame model
Safety Approvals	UL 1950, CSA 22.2 No. 950 & 234, TUV (EN60950), CE Mark & CB Report

Output Configurations					Standard Options Table		
MODEL	V1 OUTPUT	V2 OUTPUT	V3 OUTPUT	V4 OUTPUT	Description	Call-Out	Dimensions
CAP400F1	12V @ 33A				With vented top cover	CAP400xxC	10.05 x 5.00 x 1.95"
CAP400H2	5V @ 50A	12V @ 14A			With End-Mount Fan-Cover	CAP400xxG	11.10 x 5.00 x 2.50"
CAP400A3	3.3V @ 60A	2.5V @ 30A	12V @ 8A		With Top-Mounted Fan-Cover	CAP400xxF	10.05 x 5.00 x 1.95"
CAP400D3	3.3V @ 60A	5V @ 30A	12V @ 12A		With IEC-320 Inlet & Switch	CAP400xxL	11.50 X 5.00 X 1.95"
CAP400E3	3.3V @ 60A	5V @ 30A	24V @ 4A		Add 5VSB @ 200mA	CAP400xxK	10.00 x 5.00 x 1.95"
CAP400D4	3.3V @ 60A	5V @ 30A	12V @ 12A	12V @ 4A			
CAP400H4	5V @ 50A	3.3V @ 30A	12V @ 12A	12V @ 4A			

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.

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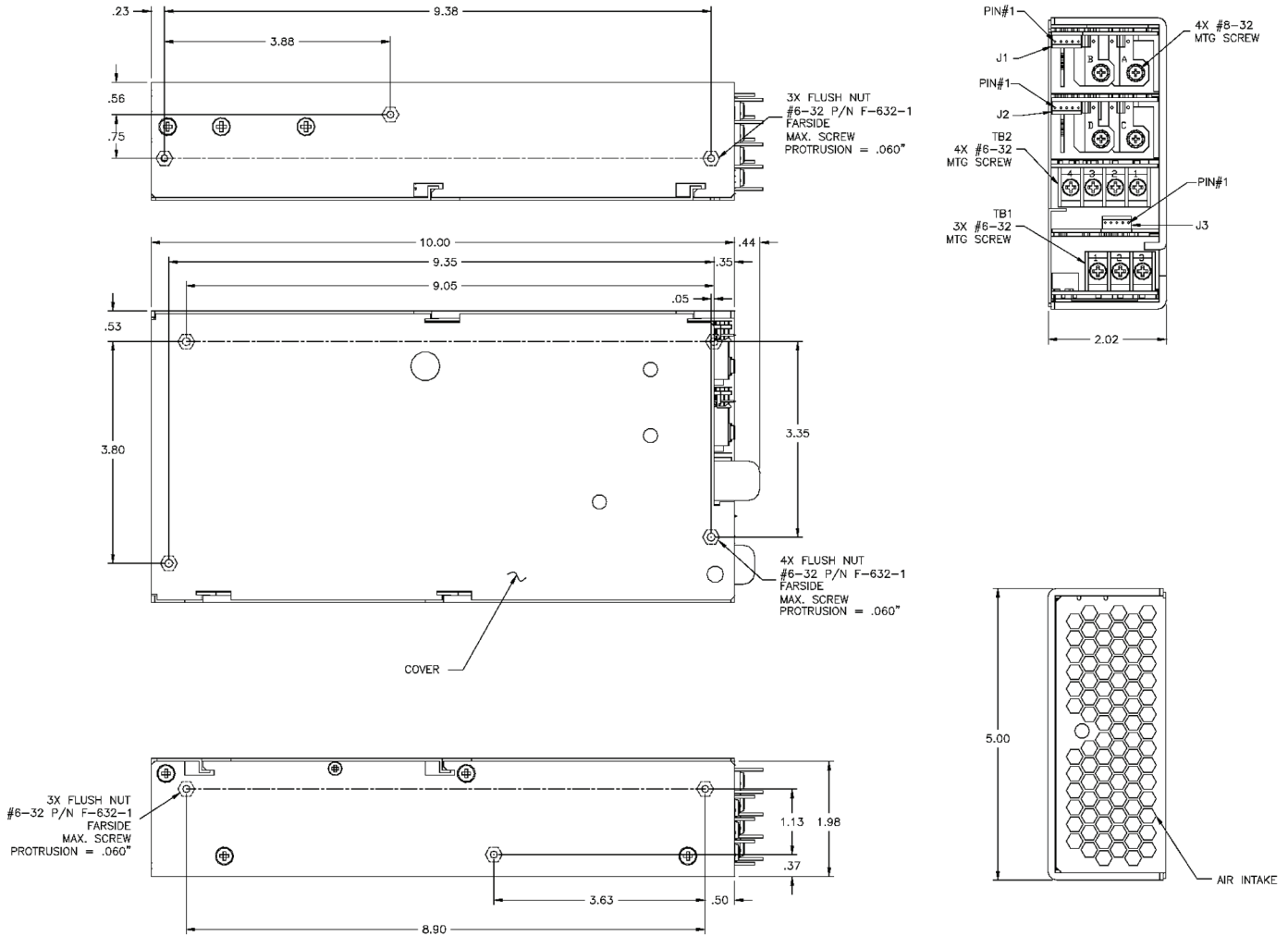
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OUTLINE DRAWING



Connector Information

Bus Bars		Output TB2		Input TB1		J1		J3		J3	
Location	Function	Pin	Function	Pin	Function	Pin	Function	Pin	Function	Pin	Function
A	+V1	1	+V4	1	Line	1	V1	1	V2	1	PWR OK
B	-V1	2	-V4	3	Neutral	2	V1 RS+	2	V2 RS+	2	Inhibit
C	+V2	3	-V3	5	Ground	3	V1 RS-	3	V2 RS-	3	Common
D	-V2	4	+V3			4	V1 RTN	4	V2 RTN	4	5VSB
						5	V1 Margin	5	V2 Margin	5	5VSB

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