

## Product Features:

- 1-6 Isolated / Floating Outputs with High Current Capability
- Universal AC Input Range with Active PFC
- Individual Output Inhibit, Share, Sense and Margin Signals
- No Minimum Load Requirements
- 5V Standby Output
- Meets VDE/FCC Class "B" EMI
- Over-Voltage, Over-Current, Over-Temperature & 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	<ul style="list-style-type: none"> <li>■ Automation Equipment</li> <li>■ Gaming Application</li> <li>■ Point of Sale Equipment</li> <li>■ Networking / Datacom</li> </ul>
Input protection per EN61000-4	Designed to operate in harsh environmental conditions	<ul style="list-style-type: none"> <li>■ Industrial Applications</li> <li>■ Computer Peripherals</li> <li>■ Test Equipment</li> </ul>
Margining on V1 & V2	Ability to compensate for system voltage drops	
Economical	Lowered system costs	
Current Sharing On All Outputs	Scalability for increased power requirements	

SPECIFICATIONS	1000 Watt Modular Switching Power Supply with 1-6 Outputs
Input Voltage Range	Universal AC Input (85-264VAC; 47-63Hz)
Inrush Current (Cold Start)	50A @ 115VAC, 70A @ 230VAC typical
Input Current	15A max. (at 90VAC)
Input Protection	Single fuse (3AB Type)
EMI	FCC and VDE Level "B" (Conducted)
Efficiency	78% typical (measured at full load)
Maximum Output Power	1000 Watts Continuous
Total Power Over-Load Limit	Set at 1300W typical by sensing the primary input current
Voltage Adjustment Range	+/-5% on all outputs
Regulation	+/- 0.5 or 2mV (whichever is greater)
Output Ripple & Noise	1% or 50mV (whichever is greater) pk-pk maximum @ 20MHz
Over Voltage Protection	Trip point set at 120% - 130% (V1 or V2 of each output module only). To reset, cycle input power
Over Current Limit	110 - 140% 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 ± 3% or 100mV typical with a 25% step load change at 3A/μs slew rate
Status & Control Signals	Single Wire Current Share on all Outputs (+/-5% accuracy), Remote Sense (Compensates 5% of all outputs), 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), Remote Margining (+/-5% of Single & Dual Output Modules Only)
Operating Temperature	0~50°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

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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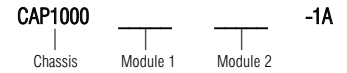
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Single Output Modules	
Module	V1 Output
A1	1.8V @ 150A
B1	2.5V @ 150A
C1	3.3V @ 150A
D1	5V @ 120A
E1	6V @ 120A
F1	12V @ 50A
G1	15V @ 40A
J1	24V @ 25A
K1	28V @ 21.5A
L1	36V @ 16.7A
M1	48V @ 12.5A
N1	54V @ 11A

Dual Output Modules		
Module	V1 Output	V2 Output
A2	2.5V @ 60A	12V @ 25A
B2	2.5V @ 60A	24V @ 12.5A
C2	3.3V @ 60A	5V @ 60A
D2	3.3V @ 60A	12V @ 25A
E2	3.3V @ 60A	24V @ 12.5A
F2	5V @ 60A	5V @ 60A
G2	5V @ 60A	12V @ 25A
H2	5V @ 60A	15V @ 20A
J2	5V @ 60A	24V @ 12.5A
K2	12V @ 25A	12V @ 25A
L2	12V @ 25A	24V @ 12.5A
M2	15V @ 20A	15V @ 20A
N2	24V @ 12.5A	24V @ 12.5A

Dual Output Modules			
Module	V1 Output	V2 Output	V3 Output
A3	3.3V @ 80A	5V @ 10A	12V @ 10A
B3	3.3V @ 80A	5V @ 10A	24V @ 5A
C3	3.3V @ 80A	12V @ 10A	12V @ 10A
D3	3.3V @ 80A	15V @ 8A	15V @ 8A
E3	5V @ 80A	12V @ 10A	12V @ 10A
H3	5V @ 80A	15V @ 8A	15V @ 8A
J3	12V @ 33A	12V @ 10A	12V @ 10A

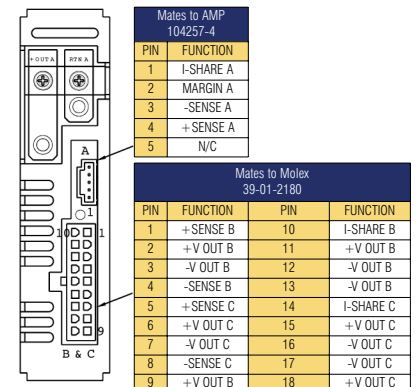
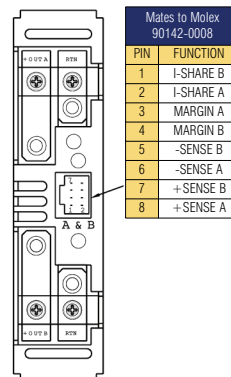
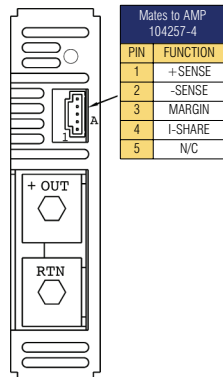
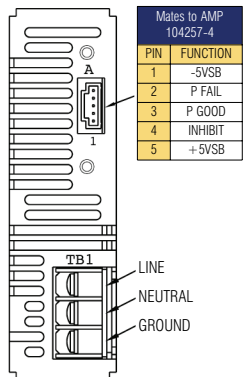
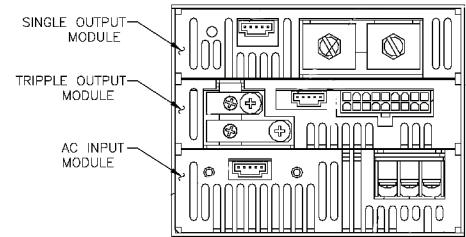
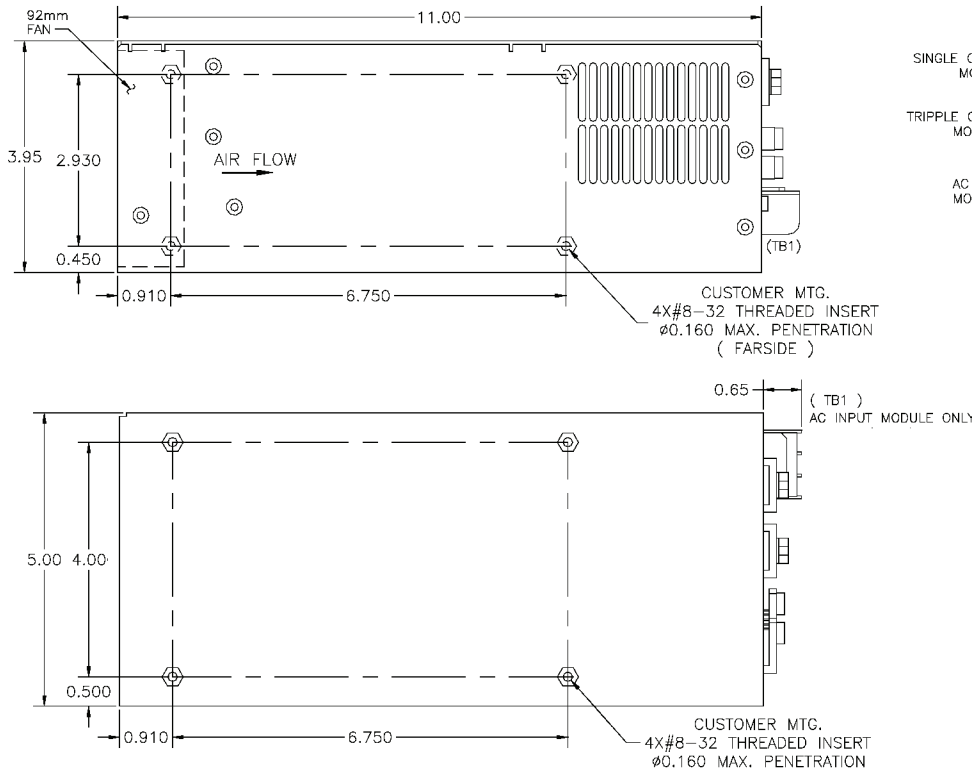
Configuration Rules:



Examples:

- CAP1000C1E3-1A = 3.3V @ 150A / 5V @ 80A / 12V @ 10A / 12V @ 10A
- CAP1000D1J1-1A = 5V @ 120A / 24V @ 25A
- CAP1000C2L2-1A = 3.3V @ 60A / 5V @ 60A / 12V @ 25A / 24V @ 12.5A

## OUTLINE DRAWING



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