

PFC Isolated Front End, 32.5V @ 1400W

PM3327B-6	1.4kW	32.5V @ 43A	5" x 5" x 11.25"
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FEATURES

- Power Factor Corrected
- Standard 5" x 5" x 11.25" envelope
- Output Fully Floating
- Over Current Protection
- Over Voltage Protection
- Remote Sense
- Over Temperature Protection
- Self-contained Forced Air Cooling

SPECIFICATIONS

INPUTS:

RANGE: 90 to 264VAC, single phase.
FREQUENCY: 47 to 63Hz.
POWER FACTOR: 0.99 @ Full Load.
HARMONIC CURRENT: @ Full Load:
 <5% THD, Single Phase
FUSE: Built in 25A internal fuse.

OUTPUTS:

POWER: 1400W.
VOLTAGE & CURRENT: 32.5V @ 43A
ADJUSTMENT RANGE: +5%/-10% of nominal output voltage.
POLARITY: Output is isolated. It may be referenced plus/minus as required.
STATIC REGULATION:
 Line: $\pm 0.25\%$ over full line range.
 Load: $\pm 0.25\%$ from zero to full load.
VOLTAGE STABILITY: $\pm 0.1\%$ for 24-hr period after 30-minute warm up.
P-P RIPPLE AND NOISE: 5% to 100% load, 20MHz BW, < 1% Voutpp
DYNAMIC REGULATION: Output
 Transient Response: Less than $\pm 2\%$ deviation for a 10% to 50% load step, with recovery within the static regulation limits within 2msec.
MINIMUM LOAD: Not Required.
TURN ON DELAY: 2 sec. max from application of AC line.

OVER VOLTAGE PROTECTION: 115% $\pm 5\%$ of nominal. OVP shutdown is latched until the input line is removed for 30 secs and then reapplied.

OVER CURRENT PROTECTION: Power Supply limits at maximum output current during a short circuit load condition. Current limit set between 105% and 115%. Short circuit is Set between 90% to 115%.

ENVIRONMENTAL:

OVER TEMPERATURE PROTECTION:

In the event of an over temperature condition, the unit automatically shuts down. Unit recovers automatically after it cools down.

AUDIBLE NOISE: 70dBA max at 1 meter.

TEMPERATURE: Operating: 0°C to +50°C.

Non-operating: -55°C to +85°C.

HUMIDITY: 20% to 95% non-condensing.

ALTITUDE: Operating: 5,000 feet. De-rates to 70% at 15,000 feet. Non-Operating: To 30,000 feet.

VIBRATION: Operating: From 5 to 27 Hz, 0.02 in double amplitude; from 27 Hz to 500 Hz, 0.75G, 3 Axes, 3 min per octave sweep, dwell 15 min at resonance. Non-operating: From 5 to 17 Hz, 0.10 in double amplitude, from 17 to 500Hz, 1.5G peak; 3 axes, 5 min per octave sweep; dwell 15 min at resonance.

SHOCK: Operating: 5G, half sine, 11msec, 3 axes. Non-Operating: 15G, half sine, 11msec, 3 axes.

COOLING: Forced air, internal fan. Airflow exits at the connector end.

SAFETY: Designed to meet TUV EN60950-1.

EMI: Designed to meet Conducted & Radiated: EN55022 Level A.

EMC: Designed to meet EN50082-1.

OPTIONS:

(-1C) POWER FAIL: Upon loss of AC line, signal goes from low to high before loss of output regulation.

(-2T) LOGIC INHIBIT: Less than 0.5 volts will inhibit the supply. Two volts or more or an open circuit will enable the supply.

(-128L) POWER SUPPLY FAIL: Provides output logic high signal when DC output is present. When the DC output is not present the output of this option will drop to logic ground. LED on indicates output is good.

Note 1: The Option Signals (-1C), (-2T) and (-128L) are floating and referenced to Logic Return. Logic Return must be tied to the system common.

MECHANICAL:

DIMENSIONS: Case: 5" x 5" x 11.25".

Excluding the I/O Connectors.

WEIGHT: 10 lbs.

MOUNTING: Mounting holes are provided on one side and the bottom with max penetration of 3/32".

I/O CONNECTORS: DC Bus Bars for output voltage. Terminal Block for AC Single Phase input. DB25: Option connector.

Model PM3327B-6-1-3-F
 Type 32.5D43-1C-2T-128L

**Replacement for Cherokee
 Model CAR1432F**



PM3327B-6-1-3-F, 1400W, 11/15/2016

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