

MPE-825A

FERTURES

- *Input Voltage: 90~130VAC or 180~260VAC, auto switchable
- *Input Frequency: 47~63Hz
- *Inrush Current: Does not exceed 40A at 115VAC input or 80A at 230VAC input, at cold start 25°C
- *Ripple And Noise: Peak to peak ripple and noise for each output is < 1% of each output voltage at rated load 115~230VAC
- *Line Regulation: < +/-1% at rated load with +/-10% change in input voltage
- *Load Regulation: The output voltage load regulation is less than the values on the table when each output loading changes +/-40% from 60% rated load while all other outputs at 60% rated load
- *Hold Up Time: > 20ms at 115VAC input and rated load measured from the end of the last charging pulse to when the main output drops down to 95% output voltage
- *Power Good Signal: Goes high 100~500ms after all DC output are ready
- *Power Failure: Goes low 0.5ms before any DC output falls
- *Power On: TTL compatible signal (active low) used to switch ON the main output. When power on is disconnected from secondary common, all outputs except +5Vsb are turned off
- *Efficiency: > 65% at nominal line and rated load
- *Altitude: 10,000 feet
- *Protection:

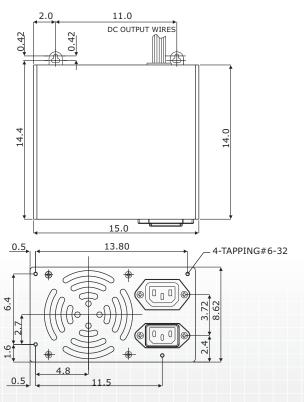
Short Circuit: Hiccup mode function against short circuit or over load conditions auto restarts when fault conditions are removed

Output: Built-in crowbar circuit automatically shuts down outputs to avoid damaging external circuits. Trip point of O.V.P. circuit is between $5.7 \sim 7.0 \text{V}$

- *Temperature: 0~70°C (operating); -40~+75°C (storage)
- *Humidity: 5~95%; non-condensing at 40°C (operating)
- *Connectors:

AC Input/Output: Meets IEC 320/CEE 22 standard ATX Connector: Alex 9358-20 or equivalent device 3.5" Disk Drive: AMP 1-480424-0/171822-4 or equivalent device

- *Dimensions: $14.0 \times 15.0 \times 8.62$ cm with +/-0.8mm and +/-0.4mm tolerance between mounting holes
- *MTBF: 119,695 hrs.



SAFETY STANDARDS

- *Safety: UL 1950 / CSA 22.2 No.234 / VDE EN60950
- *EMI: FCC class B / EN55022B
- *EMS: Level 3 of IEC-801, 802, 803, 804

PIN	Output
Red	+5V
Yellow	GND
Brown	+12V
Grey	-12V
Black	+5V
White	GND
Orange	+12V
Purple	-12V
Green	PWR On

Output Voltage	Min. Load	Rated Load	Max. Load	Tolerance	
+5V	0A	25A	30A	+/-0.2V	
+12V	0.1A	10A	15A	+/-0.24V	
-12V	0A	0.5A	1A	+/-0.6V	
-5V	0A	0.5A	1A	+/-0.25V	
+3.3V	0A	8A	15A	+/-0.17V	
+5Vsb	OΑ	0.72A	1.5A	+/-0.25V	