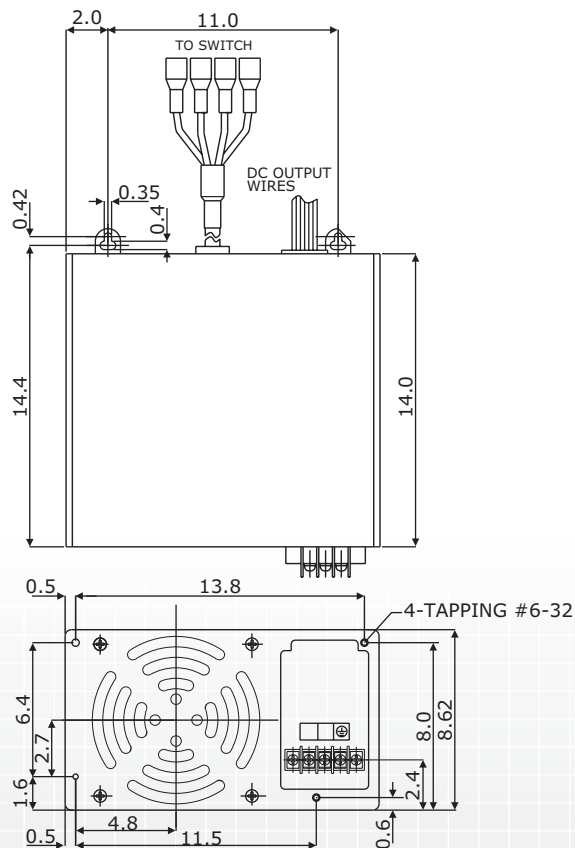


MPD-425C

250W DC-DC Power Supply
Input Range: 19~32VDC

DC-DC Industrial Power Supply



FEATURES

- ***Input Voltage:** 19~32VDC
- ***Input Current:** Max. 8A at 24VDC
- ***Inrush Current:** Does not exceed 10A at 24VDC input, cold start at 25°C
- ***Ripple and Noise:** < +/-1% peak to peak ripple and noise for each output
- ***Line Regulation:** < +/-1% at rated load with +/-10% change in input voltage
- ***Load Regulation:** +/-4% for +5V, +/-5% for +12V, +/-3% for -12V and -5V
- ***Power Good Signal:** Goes high 100~500ms after all DC output are ready
- ***Power Failure:** Goes low 0.5ms before any DC output falls
- ***Efficiency:** 70% typical at nominal line and rated load
- ***Altitude:** 10,000 feet
- ***Protection:**
 Input: Protection against wrong polarity if 24VDC input is inversely connected by mistake
 Output: Built-in over voltage protection. Trip point of crowbar circuit is between 5.9~7.0V. Hiccup mode against short circuit or over load conditions auto recovery when faulty conditions are removed
- ***Temperature:** 0~+50°C (operating); -40~+75°C (storage)
- ***Humidity:** 5~95%; non-condensing at 40°C (operating)
- ***Connectors:**
 Input: Three positions terminal block
 DC Output: Output provides one AT type P8/P9 and two disk drive connector
 To Switch: Female disconnects for tab size 0.250" x 0.032"
- ***Dimensions:** 14.0 x 15.0 x 8.62 cm with +/-0.8mm and +/-0.4mm tolerance between mounting holes
- ***MTBF:** 186,909 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

| PIN | Output | PIN | Input |
|--------|--------|-----|-------|
| Red | +5V | 1 | 24VDC |
| Yellow | +12V | 2 | 0V |
| Brown | -12V | 3 | GND |
| Blue | -5V | | |
| Black | GND | | |
| White | P.G. | | |

| Output Voltage | Min. Load | Rated Load | Max. Load | Tolerance |
|----------------|-----------|------------|-----------|-----------|
| +5V | 1A | 25A | 30A | +/-0.1V |
| +12V | 0A | 10A | 12A | +/-0.72V |
| -12V | 0A | 1A | 2A | +/-0.6V |
| -5V | 0A | 1A | 2A | +/-0.25V |