



# MPD-810H

120W universal input open-frame, DC to DC power supply



## SPECIFICATION

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| Input Voltage              | 10V ~ 30V DC                                                      |
| Input Frequency            | 47 ~ 63 Hz                                                        |
| Input Current              | 18A@10V DC                                                        |
| Efficiency                 | > 70%                                                             |
| Holdup Time                | 16 ms at full load                                                |
| Over Voltage Protection    | +5V: 5.6 ~ 6.6V; +3.3V: 3.6 ~ 4.2V; +12V: 13.2 ~ 14.6V            |
| Over Power/Load Protection | Output power over 110% ~ 160%                                     |
| MTBF                       | 130,000 hrs                                                       |
| EMI & Safety Approval      | UL                                                                |
| Temperature/Humidity       | Operating: 0 ~ 50°C, 20 ~ 90%RH<br>Storage: -20 ~ 70°C, 5 ~ 95%RH |
| Dimension (WxDxH)          | 83.8 x 152.4 x 38.1 mm; 3.3" x 6" x 1.5"                          |

## FEATURES

- Open-frame DC to DC power supply suitable for node chassis
- Five rails outputs (+5V, +12V, -12V, +3.3V & +5Vsb)
- 10~30 VDC input
- Higher +5V output (10A)

## DC OUTPUT

|           | +5V   | +3.3  | +12V  | -12V  | +5Vsb |
|-----------|-------|-------|-------|-------|-------|
| Max. Load | 10A   | 8A    | 4A    | 1A    | 0.75A |
| Min. Load | 1A    | 0A    | 0A    | 0A    | 0A    |
| Load Reg. | ±2%   | ±5%   | ±5%   | ±5%   |       |
| Line Reg. | ±2.5% | ±2.5% | ±2.2% | ±2.5% | ±2.5% |
| Ripple    | 100mv | 100mv | 120mv | 200mv |       |

## ORDERING GUIDE

- **MPD-810H**  
120W 10~30VDC input open-frame power supply