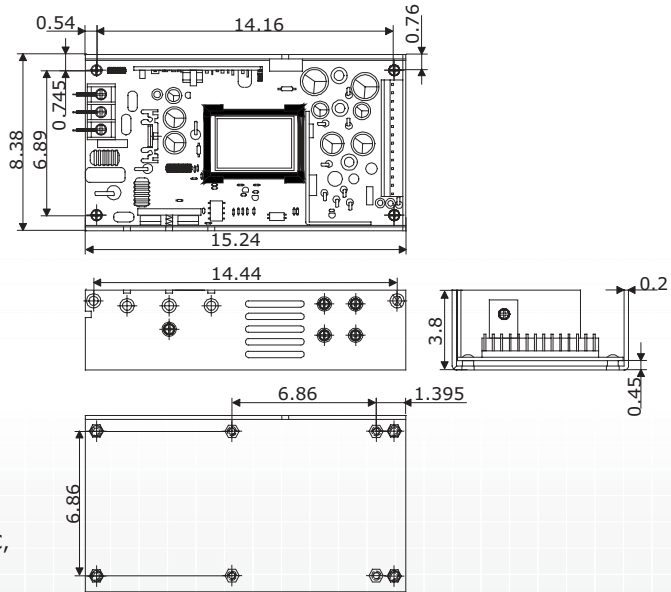
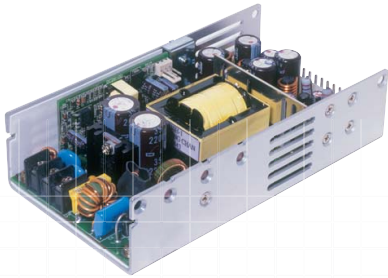


BPW-8110

120W DC-DC Open Frame Power Supply



Industrial Power Supply

DC-DC

FEATURES

- ***Input Voltage:** The range of input voltage is from 10~30VDC, nominal input voltage is 12 and 24VDC
- ***Input Current:** 18A at 10VDC max.
- ***Inrush Current:** Less than 30A at 10VDC input
- ***Load Range:** At the factory, the +5V output is set between 5.08~5.13V and all output at 60% rated load; the other outputs are checked to be within the accuracy range. The maximum total combined output power on the +3.3V and +5V rails is 70W. The max. load cannot exceed 120W
- ***Ripple and Noise:** The peak to peak ripple and noise for +5V, +3.3V output are less than 100mV for +5Vsb is 120mV, for +12V is less than 120mV, for -12V is less than 200mV at rated load and nominal input, which is measured by a 20MHz bandwidth limited oscilloscope and the each output is connected with a 0.47uF capacitor
- ***Line Regulation:** Less than +/-2.5% at rated load with +/-10% change in input voltage
- ***Load Regulation:** +5V is less than +/-2%, for +12V is less than +/-5%, for -12V +/-5%, +3.3V is less than +/-5% while the measuring is done by changing the measured output loading +/-40% from 60% rated load, and keep other output is at 60% rated load
- ***Efficiency:** > 70% while measuring at nominal line and rated load
- ***Altitude:** 0~10,000 ft.
- ***Protection:** The power supply will generate the hiccup mode to protect itself against short circuit or over load condition, and will return to normal after wrong condition is removed
- ***Power On/Off:** The power supply will start-up when the power on/off pin be connected to secondary GND
- ***Power Good Signal:** The power is turned on, the power good signal will go high between 100ms to 500ms after all output DC voltage are within regulation limits
- ***Power Fail Signal:** The power fail signal will go low at least 1ms before any of the output voltages fall below the regulation limits
- ***Temperature:** 0~+50°C, output power is 120W forced air cooling, 85W convection cooling (operating); -20~+70°C (storage)
- ***Humidity:** 10~90%, non-condensing
- ***Connectors:**
 - DC Input (CN1): Dinkle DT-35-B01W-03 or equivalent
 - DC Output (CN2): Molex 5273-14A or equivalent
 - DC Output (CN3): Molex 5045-03A or equivalent
 - Power Good Output (CN4): Molex 5045-02A or equivalent
 - Fan Output (CN5): Molex 5045-02A or equivalent
- ***Dimensions:** 15.24 x 8.38 x 3.8 cm with +/-0.4mm tolerance

SAFETY STANDARDS

- ***Safety:** UL 1950 / CSA 22.2 No.234 / EN60950
- ***EMI:** FCC class B / EN55022 B
- ***EMS:** IEC 61000-4-2/3/4 Level 3

Output Voltage	Min. Load	Rated Load	Max. Load	Voltage Accuracy
+5V	1A	2.5A	5A	4.95~5.15V
+12V	0A	5A	7A	11.25~12.75V
-12V	0A	0.5A	1A	-11.75~-13.1V
+3.3V	0A	2.5A	5A	3.0~3.5V
+5Vsb	0A	0.75A	----	4.8~5.2V