

80 Watt, MBU Series, (Single Output, Open Frame)

ALL PSU LTD
Electronic Power Solutions

- Universal Input
- 5V to 36V Output Range Across Models
- Single Outputs
- 100% Full Load Burn In
- Short Circuit, Over Load, Over Voltage Protection
- Full Approvals: UL/CUL/TUV/CB/CE
- 3 Year Warranty
- Industry Standard Footprint 5" x 3"
- **Medically Approved**



Specification

Input Voltage.....	90~264 VAC, 47~63 Hz
Input Current.....	0.8 A @ 230 VAC, 1.6 A @ 115 VAC
Output Voltage.....	See table below (plus +/-10% adjustment range)
Over Load Protection.....	110~150% of rated current (auto-recovery)
Over Voltage Protection.....	112~132% of output voltage
Efficiency.....	70-85% (dependent on model)
Line Regulation.....	0.5% typical @ full load
Load Regulation.....	+/-3% typical @ 230 VAC input
Hold Up Time.....	Min 16 ms @ 110 VAC
Leakage Current.....	0.1 mA (0.3 mA max.) @ 240 VAC input and full load
Isolation Voltage.....	I/P-O/P: 4 kVAC, I/P-FG: 2 kVAC
Operating Temperature.....	0 °C to +70 °C (100% load to 50 °C, derate to 50% @ 70 °C)
Safety Standards.....	UL/cUL60601-1, TUV EN60601-1, CE
EMC Standard.....	Class B
MTBF.....	>100 khrs (MIL-HDBK-217F) @ 25 °C
Weight.....	0.3 kg each
Dimensions.....	127(L) x 76.5(W) x 29.5(H)mm, 5" x 3" x 1.10"

Models & Ratings

Model	Output Voltage	Output Current	Maximum Output Power
MBU80-102	5 V	14 A	70 W
MBU80-103	7 V	11.43 A	80.01 W
MBU80-104	9 V	8.89 A	80.01 W
MBU80-105	12 V	6.66 A	80 W
MBU80-106	15 V	5.33 A	80 W
MBU80-107	18 V	4.44 A	80 W
MBU80-108	24 V	3.33 A	80 W
MBU80-109	30 V	2.66 A	80 W
MBU80-110	36 V	2.22 A	80 W

See next page for mechanical details

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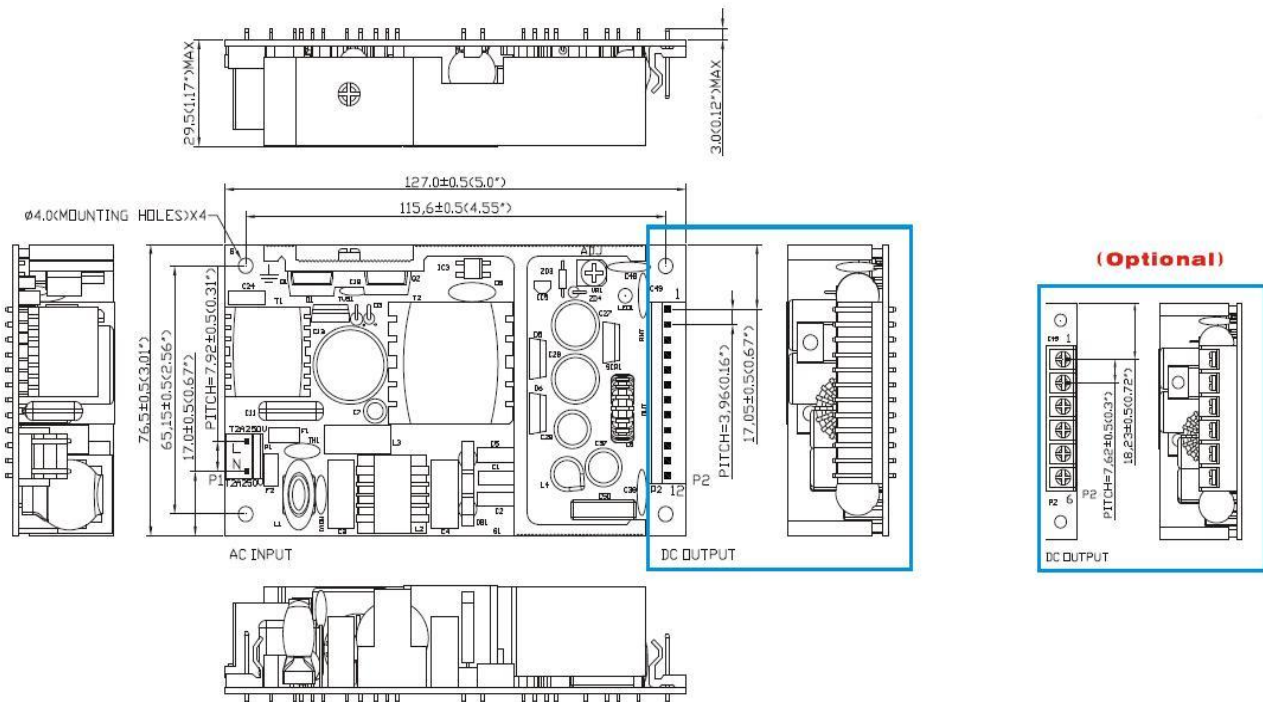
Notes:

- 1) Many other output combinations are available - please contact sales office for further information
- 2) Industrial versions available with an operating temperature down to -20 °C and/or screw terminals, contact sales office

Connections and Mechanical Details

Screw Terminals (Output Connector)	
Pin	Single Output
1	COM
2	COM
3	COM
4	V Out
5	V Out
6	V Out

Output connections can be specified as 6 Way Screw Terminals or 12 Way Molex plug in connector. Input Connections are always Molex Plug In type.



Input connector mates with Molex 09-50-3051 housings
 Output connector mates with Molex 09-50-3121 housings
 Or terminal block 16-22AWG (optional)
 Crimp terminals: - Molex 2478 series

Specifications can change without notice, E&OE. ALL PSU Terms & Conditions Apply.

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