

63 Watt, MBU60 Series, (1-4 Outputs, Open Frame)

ALL PSU LTD
Electronic Power Solutions

- Universal Input
- 3V to 40V Single Output Models
- Single, Dual, Triple or Quad 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"
- Optional Safety Covers Available
- **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 O/P 1)
Over Load Protection.....	110~150% of rated current
Over Voltage Protection.....	112~132% of output voltage
Efficiency.....	70-85% (dependent on unit)
Line Regulation.....	0.5% typically @ full load
Load Regulation.....	+/-3% typical @ 230 VAC input
Hold Up Time.....	16 ms @ 110 VAC, full load
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 76.2(W) x 28(H), 5" x 3" x 1.10"
Optional Metal Cover.....	140(L) x 92(W) 39(H) mm

Models & Ratings (Single Output Versions)

Model	Output Voltage	Voltage Range (Factory Settable)	Output Current	Maximum Output Power
MBU60-101	3.3 V	3.0 V - 5.0V	16.66 A - 10.0A	50 W
MBU60-102	5 V	5.0 V - 6.0 V	11.0 A - 9.16 A	55 W
MBU60-103	7 V	6.0 V – 8.0 V	10.0 A - 7.5 A	60 W
MBU60-104	9 V	8.0 V - 11.0 V	7.87 A - 5.72 A	63 W
MBU60-105	12 V	11.0 V - 13.0 V	5.72 A - 4.84 A	63 W
MBU60-106	15 V	13.0 V - 16.0 V	4.84 A - 3.93 A	63 W
MBU60-107	19 V	16.0 V - 21.0 V	3.93 A - 3.0 A	63 W
MBU60-108	24 V	21.0 V - 27.0 V	3.0 A - 2.33 A	63 W
MBU60-109	30 V	27.0 V - 33.0 V	2.33 A - 1.9 A	63 W
MBU60-110	36 V	33.0 V - 40.0 V	1.9 A - 1.57 A	63 W

See next page for multi-output versions and mechanical details

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63 Watt, MBU60 Series, (1-4 Output, Open Frame)



Models and Ratings (Multi-Output Models) (see notes)

Model	Output 1	Output 2	Output 3	Output 4	Maximum Output Power
MBU60-201	5 V / 7 A	12 V / 3 A			63 W
MBU60-202	5 V / 7 A	15 V / 3 A			63 W
MBU60-203	5 V / 7 A	24 V / 2 A			63 W
MBU60-204	3.3 V / 7 A	5 V / 5 A			48 W
MBU60-300	3.3 V / 6 A	12 V / 3 A	-12 V / 0.8 A		63 W
MBU60-301	5 V / 6 A	12 V / 3 A	-5 V / 0.8 A		63 W
MBU60-302	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A		63 W
MBU60-303	5 V / 6 A	15 V / 3 A	-15 V / 0.8 A		63 W
MBU60-305	5 V / 6 A	24 V / 2 A	-12 V / 0.8 A		63 W
MBU60-306	3.3 V / 6 A	12 V / 3 A	-5 V / 0.8 A		60 W
MBU60-308	3.3 V / 5 A	5 V / 5 A	-12 V / 1 A		53.5 W
MBU60-400	3.3 V / 6 A	12 V / 3 A	-12 V / 0.8 A	-5 V / 0.8 A	63 W
MBU60-401	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A	-5 V / 0.8 A	63 W
MBU60-402	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A	-12 V / 0.8 A	63 W
MBU60-403	5 V / 6 A	12 V / 3 A	-12 V / 0.8 A	-24 V / 0.8 A	63 W
MBU60-404	5 V / 6 A	15 V / 3 A	-15 V / 0.8 A	-5 V / 0.8 A	63 W

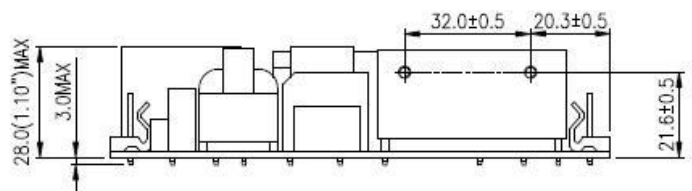
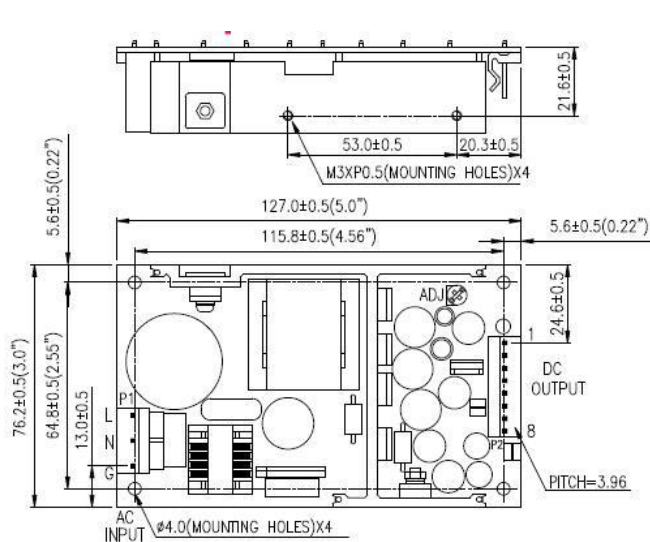
Notes:

- 1) Many other output combinations are available - please contact sales office for further information
- 2) A minimum load is required on outputs 1 & 2 to maintain the regulation of +/-5%
- 3) For a 2 pin input version change part number to MBU61-xxx

Pinout and Mechanical Details

Pinout (Output Connector)				
Pin	Single Output	Dual Output	Triple Output	Quad Output
1	Output 1	Output 2	Output 2	Output 2
2	Output 1	Output 1	Output 1	Output 1
3	Output 1	Output 1	Output 1	Output 1
4	Return	Common	Common	Common
5	Return	Common	Common	Common
6	Return	N/C	Output 3	Output 3
7	Return	N/C	N/C	Output 4
8	PFD	PFD	PFD	PFD

PFD = Power Fail Detect (Optional)



Input connector mates with Molex 09-50-3051 housings
 Output connector mates with Molex 09-50-3081 housings
 Crimp terminals: - Molex 2478 series

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

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