

MANGO150L Series

150 Watt Medical Desktop
Power Supply

PHASIUM

BY MEGMEET

Medical Power Specialists



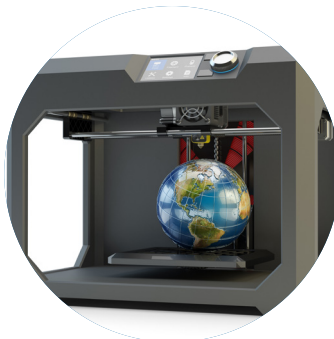
An optimized PFC + LLC secondary yields up to 90% efficiency. The **MANGO150L** is a Class I or Class II device with single output DC voltages from 12V ~ 48V that meets all medical and commercial compliance requirements.

Key Features

- Medical 60601-1 (BF) Safety Approvals
- Small 7.72 x 2.66 x 1.26" Footprint
- Universal AC Input with Active PFC
- IPXI Rated Enclosure
- Class I or Class II Construction
- High Efficiency - Level V
- EN55011 / FCC Part 15J Class B Emissions
- High Power Density - 5.8W/in³
- CEC 2008 / ErP2 / EISA 2007 Compliant
- 3 Year Warranty



EKG Monitor



3D Printer



Test Equipment



Patient Ventilator

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Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO150L-12xy	12V	12.5A	15.0A	120mV
MANGO150L-15xy	15V	10.0A	12.0A	150mV
MANGO150L-19xy	19V	7.9A	9.5A	190mV
MANGO150L-24xy	24V	6.3A	7.5A	240mV
MANGO150L-28xy	28V	5.4A	6.4A	280mV
MANGO150L-48xy	48V	3.1A	3.7A	480mV

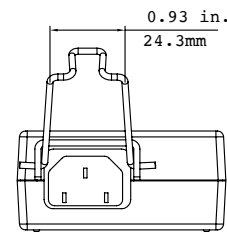
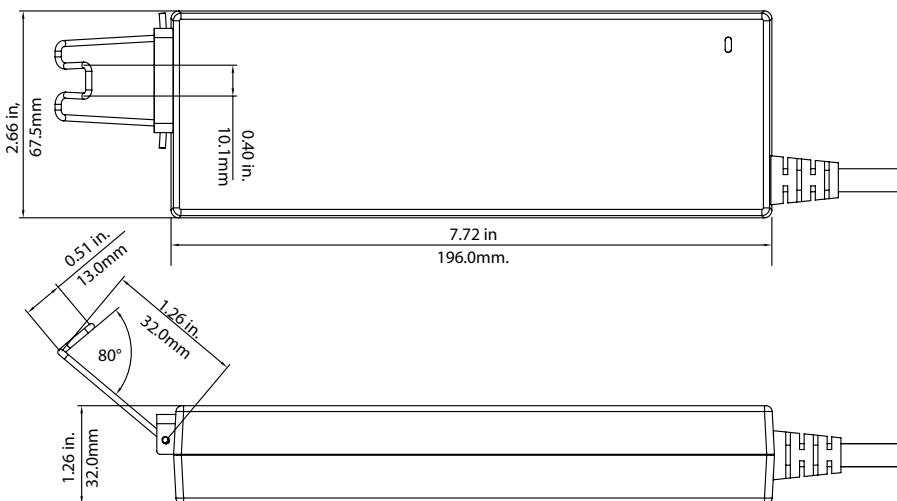
For the given model, replace "xy" with selected AC Inlet and DC Plug options. See product family application notes for details.

Technical Highlights

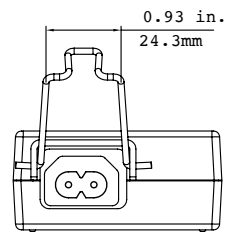
Input Voltage	90-264 VAC (Universal)	Efficiency	90% typical at 115/230 VAC, full load
Leakage Current	<100μA @ 264VAC	Operating Temperature	-18°C ~ +40°C
Output Voltage	See table above	Over Voltage	110-140% latching
Line Regulation	±0.5%	Isolation	Input to Output 4000 VAC Input to Ground 1500VAC Output to Ground 500 VDC
Load Regulation	±5%	MTBF	200K Hours, Mil-217F at 25 °C, full load



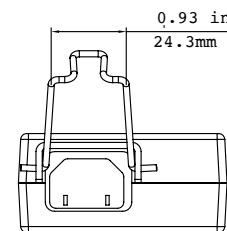
Note: Product specifications are subject to change without prior notice.



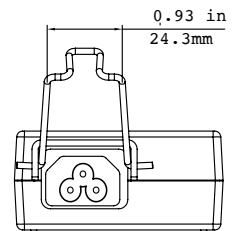
"A" Package
C14 Inlet / Class I Safety



"B" Package
C8 Inlet / Class I Safety



"C" Package
C18 Inlet / Class II Safety



"D" Package
C6 Inlet / Class I Safety