

# MANGO150S Series

150 Watt Medical Desktop  
Power Supply

# PHASIUM

BY MEGMEET

Medical Power Specialists



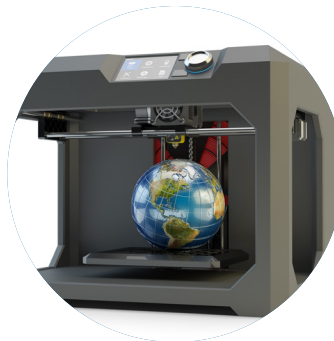
An optimized PFC + LLC secondary yields up to 94% efficiency. The **MANGO150S** is a Class II device with single output DC voltages from 12V ~ 48V and meets all medical and commercial compliance requirements.

## Key Features

- Medical 60601-1 (BF) Safety Approvals
- Small 6.02 x 2.43 x 1.28" Footprint
- Universal AC Input with Active PFC
- IP22 Rated Enclosure
- Class I or Class II Construction
- EN55011 / FCC Part 15J Class B Emissions
- High Efficiency - DoE EPS - Level VI
- High Power Density - 8W/in<sup>3</sup>
- 3 Year Warranty



EKG Monitor



3D Printer



Test Equipment



Patient Ventilator

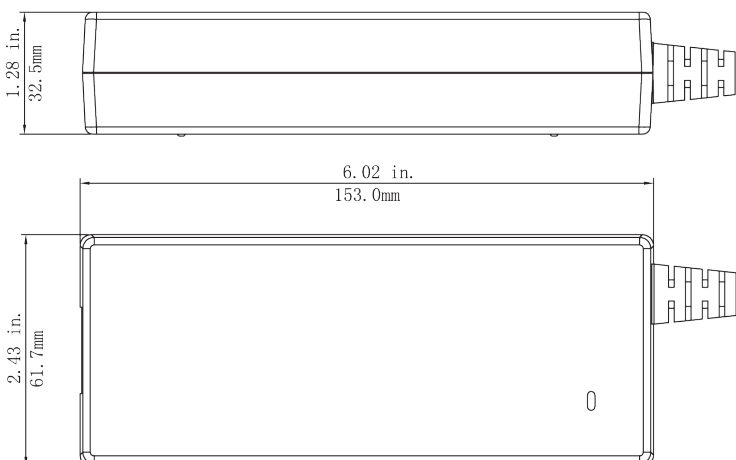
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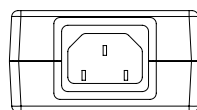
Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO150S-12xy	12V	12.5A	15.0A	120mV
MANGO150S-15xy	15V	10.0A	12.0A	150mV
MANGO150S-19xy	19V	7.9A	9.5A	190mV
MANGO150S-24xy	24V	6.3A	7.5A	240mV
MANGO150S-26xy	26V	5.8A	6.9A	260mV
MANGO150S-28xy	28V	5.4A	6.4A	280mV

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

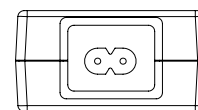
Technical Highlights			
Input Voltage	90-264 VAC (Universal)	Efficiency	90-94% typical at 115/230 VAC, full load
Leakage Current	<100μA @ 264VAC	Operating Temperature	-18°C ~ +40°C
Output Voltage	See table above	Over-Voltage	110-140% Latching
Line Regulation	±0.5%	Isolation	Input to Output 4000 VAC Input to Ground: 1500VAC Output to Ground: 1500 VAC
Load Regulation	±5%	MTBF	200K Hours, Mil-217F at 25 °C, full load



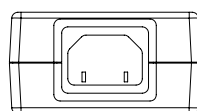
Note: Product specifications are subject to change without prior notice.



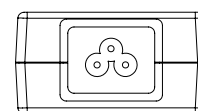
A Package  
C14 Inlet / Class I  
Safety Approvals



B Package  
C8 Inlet / Class II  
Safety Approvals



C Package  
C18 Inlet / Class II  
Safety Approvals



D Package  
C6 Inlet / Class I  
Safety Approvals