

MANGO120S Series

120 Watt Medical Desktop
Power Supply

PHASIUM

BY MEGMEET

Medical Power Specialists



The small cost competitive **MANGO120S** can be configured as a Class I or Class II device. An optimized PFC + LLC with Synchronous Rectification yields up to 95% efficiency and meets all medical and commercial compliance requirements.

Key Features

- Medical 60601-1 Safety Approvals
- Small 6.02 x 2.43 x 1.28" Footprint
- IP22 Rated Enclosure
- Class I or Class II Construction
- High Efficiency - Level VI
- High Power Density - 6.4W/in³
- EN55011 / FCC Part 15J Class B Emissions
- 3 Year Warranty
- Universal AC Input with Active PFC



Battery Charger



Oxygen Concentrator



Portable Ultrasound



Gaming Equipment

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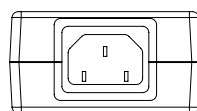
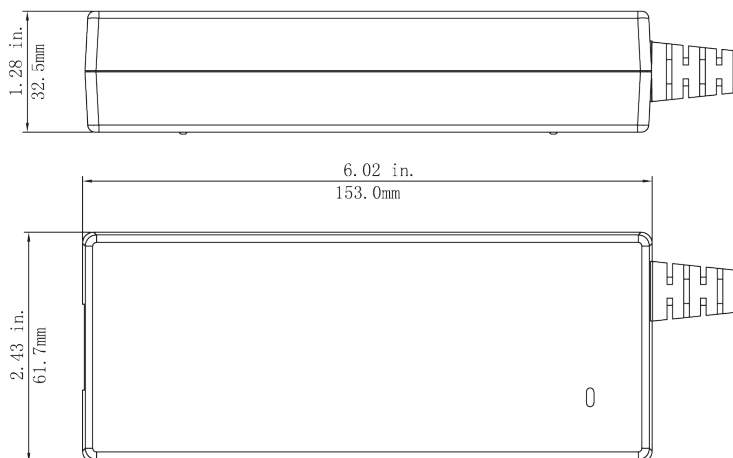
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Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO120S-12xy	12V	10.0A	12.0A	120mV
MANGO120S-15xy	15V	8.0A	9.6A	150mV
MANGO120S-19xy	19V	6.3A	7.5A	190mV
MANGO120S-24xy	24V	5.0A	6.0A	240mV
MANGO120S-26xy	26V	4.6A	5.5A	260mV
MANGO120S-28xy	28V	4.3A	5.0A	280mV

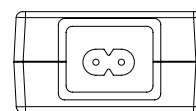
For the given model, replace "xy" with selected AC Inlet and DC Plug options. See product family application notes for details.

Technical Highlights			
Input Voltage	90-264 VAC (Universal)	Efficiency	88-93% typical at 115/230 VAC, full load
Leakage Current	<100μA @ 264VAC	Operating Temperature	0°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

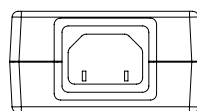
Note: Product specifications are subject to change without prior notice.



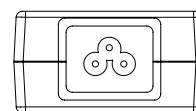
A Package
C14 Inlet / Class I
Safety Approvals



B Package
C8 Inlet / Class II
Safety Approvals



C Package
C18 Inlet / Class II
Safety Approvals



D Package
C6 Inlet / Class I
Safety Approvals