

MANGO100S Series

100 Watt Medical Desktop
Power Supply

PHASIUM

BY MEGMEET

Medical Power Specialists



A two stage PFC and LLC secondary yields over 88% average efficiency in a small light weight package. The **MANGO100S** meets all medical and commercial compliance requirements and is ideal for home medical appliances.

Key Features

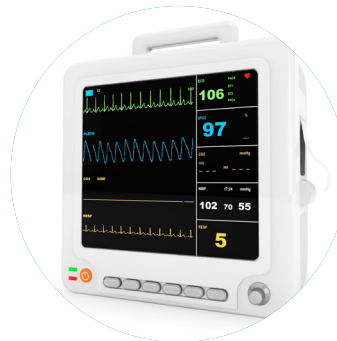
- Medical 60601-1(BF) Safety Approvals
- Small 6.02 x 2.43 x 1.28" Footprint
- Universal AC Input With Active PFC
- IPX1 Rated Enclosure
- Class II Construction
- High Efficiency - Level VI
- High Power Density - 5.4W/in³
- EN55011 / FCC Part 15J Class B Emissions
- 3 Year Warranty



Oxygen Concentrator



Modem/Router/Set-top Box



Medical Monitor



Battery Charger

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Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO100S-12y	12V	7.5A	10.0A	120mV
MANGO100S-19y	19V	5.3A	6.7A	190mV
MANGO100S-24y	24V	4.2A	5.0A	240mV
MANGO100S-28y	28V	3.6A	4.2A	280mV
MANGO100S-48y	48V	2.1A	3.0A	480mV

Designate DC Output Connector by replacing "y" with the following: "D" for 8 Pin DIN Connector "M" for Molex 6CKT Model # 39-01-2060 or equivalent "K" for Kycon KPPX-4P Non Locking Connector "B" for Barrel Jack Connector (5.5 x 2.5 x 11 mm)

Technical Highlights

Input Voltage	90-264 VAC (Universal)	Efficiency	88% 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
Load Regulation	±5%	MTBF	200K Hours, Mil-217F at 25 °C, full load

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

