

MANGO40S Series

40 Watt Medical Desktop
Power Supply

PHASIUM

BY MEGMEET

Medical Power Specialists



Engineered and assembled in an ISO 13485 manufacturing center, the **MANGO40S** is the adapter solution for Commodity Managers and Design Engineers. It includes multiple AC inlet and DC output connector options and can be easily modified for custom connectors. Small and lightweight, the **MANGO40S** meets all current IEC compliance requirements.

Key Features

- Medical 60601-1 Safety Approval
- High Power Density - 4.58W/in³
- CEC 2008 / ErP2 / EISA 2007
- Class I or Class II Construction
- Level VI Efficiency
- EN55011 / FCC Part 15J Class B Emissions
- Small 1.95" x 3.78" x 1.18" Footprint
- 3-year Warranty



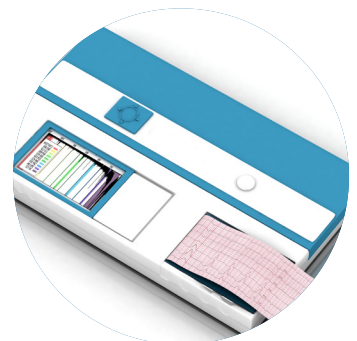
Pulse Oximetry Device



Blood Pressure Monitor



Portable Patient Monitor



Portable Blood Analyzer

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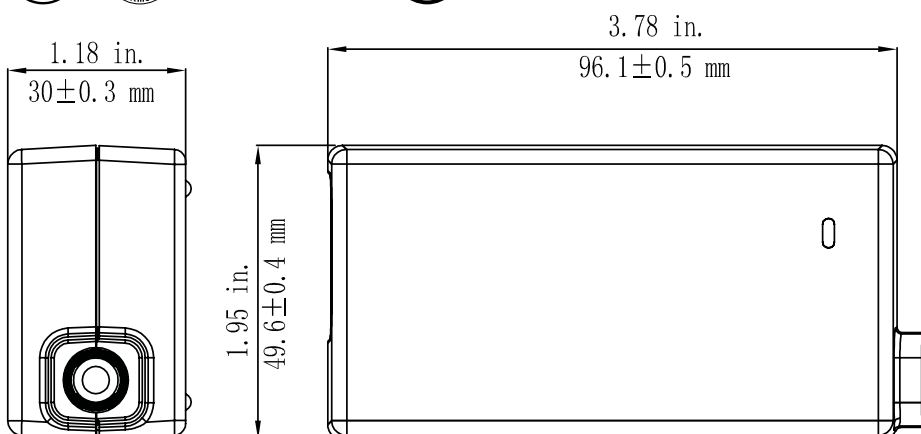
Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO040S-5xy	5V	4.0A	5.0A	50mV
MANGO040S-12xy	12V	3.3A	4.0A	120mV
MANGO040S-19xy	19V	2.1A	2.5A	190mV
MANGO040S-24xy	24V	1.7A	2.0A	240mV
MANGO040S-28xy	28V	1.4A	1.7A	280mV
MANGO040S-48xy	48V	0.8A	1.0A	480mV

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

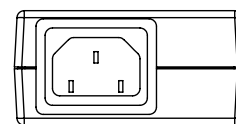
Technical Highlights

Input Voltage	90-264 VAC (Universal) 300 VAC (maximum Non-Operating)	Efficiency	79% for 5V output 87% for other models
Leakage Current	<100 μ A @ 264VAC	Operating Temperature	0°C ~ +40°C
Output Voltage	See table above	Protection	2x MOPP (Input to Output)
Line Regulation	$\pm 0.5\%$	Isolation	Input to Output: 4000VAC Input to Ground: 1500 VAC Output to Ground: 500 VDC
Load Regulation	$\pm 5\%$	MTBF	200K hours, MIL-STD 217F at 25°C, full load

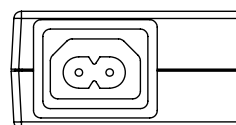
Note: Product specifications are subject to change without prior notice.



IEC 320 Options



A - C14 Inlet / Class I Safety Approvals



B - C8 Inlet / Class II Safety Approvals