

MANGO220S Series

220 Watt Medical Desktop
Power Supply

PHASIUM

BY MEGMEET

Medical Power Specialists



A two stage PFC and LLC secondary yields up to 95% efficiency in a small light weight package. With DC output voltages from 12V ~ 48V, the **MANGO220S** meets all medical and commercial compliance requirements including Level VI and 4th Edition EMC and can be configured as a Class I or Class II device.

Key Features

- Medical IEC60601-1 Safety Approval
- EN55011 / FCC Part 15J Class B Emissions
- Class I or Class II Construction
- Level VI Efficiency
- IPX1 Rated Enclosure
- Small 7.72 x 2.66 x 1.26" Footprint
- EN55011 / FCC Part 15J Class B Emissions
- Universal AC Input with Active PFC
- 3-year Warranty



Ventilator



Oxygen Concentrator



Patient Monitoring
Equipment



Ultrasound Equipment

PHASIUM
BY MEGMEET

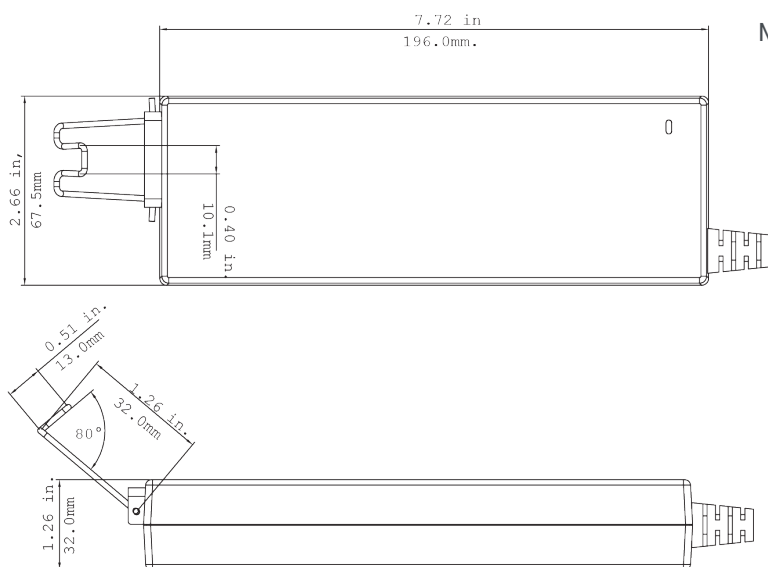
POWER@PHASIUMPOWER.COM

Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO220S-12xy	12V	18.3A	22.0A	120mV
MANGO220S-19xy	19V	11.6A	13.9A	190mV
MANGO220S-24xy	24V	9.2A	11.0A	240mV
MANGO220S-28xy	28V	7.9A	9.4A	280mV
MANGO220S-48xy	48V	4.6A	5.5A	480mV

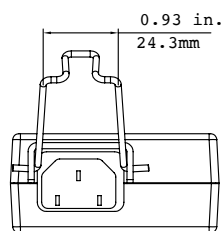
For the given model, replace "xy" with selected AC Inlet and DC Plug options. See product family application notes for details.

Technical Highlights

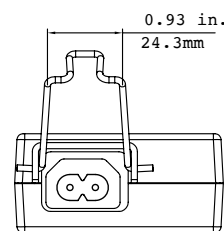
Input Voltage	90-264 VAC (Universal)	Efficiency	90-94% typical at 115/230 VAC, full load
Leakage Current	<100 μ A @ 264VAC	Operating Temperature	0°C ~ +40°C
Output Voltage	See table above	Weight	800g
Line Regulation	$\pm 0.5\%$	Isolation	Input to Output: 4000VAC Input to Ground: 1500 VAC Output to Ground: 1500 VAC
Load Regulation	$\pm 5\%$	MTBF	200K hours, MIL-STD 217F at 25°C, full load



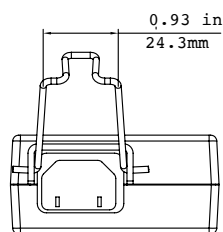
Note: Product specifications are subject to change without prior notice.



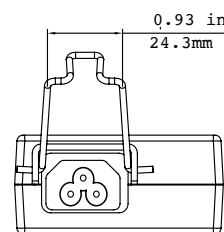
A Package - C14 Inlet
Class I Safety Approvals



B Package - C8 Inlet
Class II Safety Approvals



C Package - C18 Inlet
Class II Safety Approvals



D Package - C6 Inlet
Class I Safety Approvals

