PHASIUM
BY MEGMEET®

Medical Power Specialists

MANGO100S Series
100 Watt Medical Desktop Power Supply

A two stage PFC and LLC secondary yields over 90% average efficiency in a small light weight package. The MANGO100S meets all medical and commercial compliance requirements and can be configured as a Class I or Class II device.

MANGO100S Series
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
- Standard or User-defined Output Connectors
- 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

PHASIUM
BY MEGMEET

power@phasiumpower.com

Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO100S-12xy	12V	7.5A	10.0A	120mV
MANGO100S-19xy	19V	5.3A	6.7A	190mV
MANGO100S-24xy	24V	4.2A	5.0A	240mV
MANGO100S-28xy	28V	3.6A	4.2A	280mV
MANGO100S-48xy	48V	2.1A	3.0A	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)	**Efficiency**	88% typical at 115/230 VAC, full load
Leakage Current	<100µA @ 264VAC	**Operating Temperature**	0°C ~ +40°C
Output Voltage	See table above	**Protection**	2x MOPP (input to output)
Line Regulation	±0.5%	**Isolation**	Input to Output: 4000 VAC Input to Ground(Class I): 1500VAC Output to Ground(Class I): 1500 VAC
Load Regulation	±5%	**MTBF**	200K Hours, Mil-217F at 25 °C, full load

RoHS COMPLIANT   CB   CE   TÜV SÜD   VI

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

1.28 in.
32.5mm

6.02 in.
153.0mm

2.43 in.
61.7mm