

# MANGO65S Series

65 Watt Medical Desktop  
Power Supply

# PHASIUM

BY MEGMEET

Medical Power Specialists



The supply chain solution for reliability and low cost. The MANGO65S series meets all Medical and Commercial compliance requirements including 4<sup>th</sup> Edition EMC and Level VI Efficiency. MANGO65S adapters feature user-definable IEC 320 Inlet plug styles for Class I and Class II installation options and standard DC outputs from 12V to 48V.

## Key Features

- Medical 60601-1 Safety Approvals
- Level VI Compliant
- Class B Radiated / Conducted Emissions
- 4th ed. EMC Compliant
- Small 4.17 x 2.24 x 1.14" Footprint
- Class I Or Class II Construction
- IPX1 Rated Enclosure
- High Efficiency
- High Power Density - 5.63W /in3
- EN55011 / FCC Part 15J Class B Emissions
- 3 Year Warranty



Medical Lighting



Battery Charger



Portable Monitor



Sleep Apnea Therapy

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Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO65S-12xy	12V	5.4A	6.0A	120mV
MANGO65S-19xy	19V	3.4A	3.8A	190mV
MANGO65S-24xy	24V	2.7A	3.0A	240mV
MANGO65S-28xy	28V	2.3A	2.6A	280mV
MANGO65S-48xy	48V	1.4A	1.5A	480mV

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

Technical Highlights			
<b>Input Voltage</b>	90-264 VAC (Universal) 300 VAC (Maximum Non-Operating)	<b>Efficiency</b>	89% typical at 115/230 VAC, full load
<b>Leakage Current</b>	<100µA @ 264VAC	<b>Operating Temperature</b>	0°C ~ +40°C
<b>Output Voltage</b>	See table above	<b>Protection</b>	2X MOPP (Input to Output)
<b>Line Regulation</b>	±0.5%	<b>MTBF</b>	200K Hours, Mil-217F at 25 °C, full load
<b>Load Regulation</b>	±5%	<b>Isolation</b>	Input to Output: 4000 VAC, 2xMOPP Input to Ground(Class I): 1500VAC, 1xMOPP Output to Ground(Class I): 1500 VAC, 1xMOPP

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

