

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
- ITE IEC60950 Safety Approval
- 4th Ed. EMC / Class B Emissions
- Class I or Class II Construction
- Level VI Efficiency
- BF Compliant Isolation
- IPX1 Rated Enclosure
- CEC 2008 / ErP2 / EISA 2007 Compliant
- Universal AC Input with PFC & LLC
- 3-year Warranty



Ventilator



Oxygen Concentrator



Patient Monitoring
Equipment



Ultrasound Equipment

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Models	Output Voltage	Output Current	Peak Current	Ripple & Noise (Max)
MANGO220S-12xy	12V	16.7A	120.0A	120mV
MANGO220S-19xy	19V	11.6A	13.8A	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	92% typical at 115/230 VAC, full load
Leakage Current	<100 μ A @ 264VAC	Operating Temperature	0°C ~ +40°C
Output Voltage	See table above	Protection	Designed to 2x MOPP 28V Class II Model Certificated to MOPP
Line Regulation	\pm 0.5%	Isolation	Input to Output: 4000VAC, 2xMOPP Input to Ground (Class I): 1500 VAC 1xMOPP Output to Ground (Class I): 1500 VAC 1xMOPP
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. For detailed product information please see *Series Model Application Notes*

