MEGMEET



INPUT SPECIFICATIONS

Input Voltage	90-264 VAC (Universal) 300 VAC (maximum Non-Operating)			
Input Frequency	47- 63Hz			
Input Current	1.0A _{RMS} at 115VAC			
Inrush Current	<80A @ 240 VAC, Cold Start			
Power Factor	EN61000-3-2,Class A			
Leakage Current	<100uA @ 264VAC			
No Load Input Power	< 0.3W No Load Input Power @ 240VAC			

OUTPUT SPECIFICATIONS					
Output Voltage	See Table				
Line Regulation	$\pm 0.5\%$				
Load Regulation	±5%				
Minimum Load	None				
Transient Response	\pm 5%, 50% step-load, slew rate 1A/ μ S				
Ripple / Noise	1% pk-pk max				
Turn-On Delay	3 seconds max @ 115VAC				
Hold-Up Time	>10ms at 115VAC Input				
Over-Voltage	110-140% Latching				
Over-Load	Hiccup Mode, Auto-Recovery				
Short Circuit	Hiccup Mode				
Over-Temperature	Latching, recycle input and cool to reset				

GENERAL SPECIFICATIONS			
Efficiency	79% for 5V output 87% for other Models		
Isolation	4000 VAC Input to Output 1500 VAC Input to Ground 500 VDC Output to Ground		
MTBF	200K Hours, Mil-217F at 25 °C, full load		
Weight	200g		

FEATURES

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

ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	$0^{\circ}C \sim +40^{\circ}C$				
Derating	5%/°C $>$ 40°C, up to 50°C max				
Storage Temperature	$-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$				
Operating Humidity	5~95% (non-condensing)				
Operating Altitude	3000M (max)				
Shock	294m/s ² (30G), 11mS on 3 axes				
Vibration	10-500Hz, 19.6 m/s ² (2G), 20mins on 3 axes				

EMC & SAFETY				
Emissions	EN55011, FCC Part J15, Class B, Conducted EN55011, FCC Part J15, Class B, Radiated			
Harmonic Current	EN61000-3-2 Class A			
Voltage Flicker	EN61000-3-3			
ESD	EN61000-4-2, 6kV contact, 8kV Air Discharge			
EFT/Burst	EN61000-4-4, Level 3, Criterion A			
Surge	EN61000-4-5, Installation Class3, Criterion A			
Conducted Immunity	EN61000-4-6 ,3V _{RMS} , Criterion A			
Radiated Immunity	EN61000-4-3, 3V/m, Criterion A			
Magnetic Field	EN61000-4-8, 3A/m, Criterion A			
Dips & Interruptions	EN61000-4-11, 0% 10ms, 40% 100ms, 70% 500ms, 0% 5000ms; Criterion A/B/C			
Safety Approvals	IEC60601-1, 3rd Edition ANSI / AAMIES60601-1 CSA 22.2 No. 60601-1 EN60601-1, 3rd Edition CE Mark (LVD)			







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REV 1.1

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MANGO40 Series

40 Watt Medical Desktop Power Supply

MODELS	OUTPUT VOLTAGE	OUTPUT CURRENT	PEAK Current	RIPPLE & NOISE (MAX)	MAX TOTAL REGULATION
MANGO40-5xy	5V	4.00A	5.0A	50mV	$\pm 5\%$
MANGO40-12xy	12V	3.33A	4.0A	120mV	$\pm 5\%$
MANGO40-19xy	19V	2.10A	2.5A	190mV	±5%
MANGO40-24xy	24V	1.67A	2.0A	240mV	$\pm 5\%$
MANGO40-28xy	28V	1.43A	1.7A	280mV	$\pm 5\%$
MANGO40-48xy	48V	0.84A	1.0A	480mV	$\pm 5\%$

* Designate Input Type and Safety Class by replacing "x" with the following:

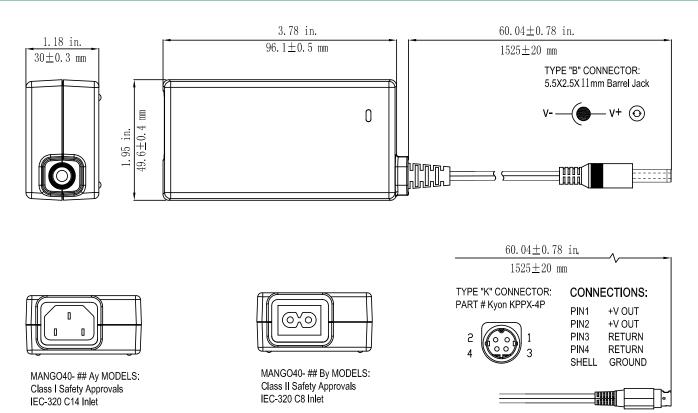
"A" for IEC320-C14 Inlet(Class I Safety Approvals) "B" for IEC320-C8 Inlet(Class II Safety Approvals)

* Designate DC Output Connector by replacing "y" with the following:

"K" for Kycon KPPX-4P Non Locking Connector "B" for Barrel Jack Connector (5.5 x 2.5 x11mm)

* Other Connectors available upon request, please consult factory. Consult factory for unique Voltage setpoints or other modifications.

OUTLINE DRAWING



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