100 Watt Medical Desktop Power Supply



INPUT SPECIFICATIONS			
Input Voltage	90-264 VAC (Universal)		
Input Frequency	47-63Hz		
Input Current	2.0A _{RMS} at 115VAC		
Inrush Current	<80A @ 240 VAC, Cold Start		
Power Factor	>0.95		
Leakage Current	<250µA @ 264VAC		
No Load Input Power	<0.5W @ 240VAC		

OUTPUT SPECIFICATIONS				
Output Voltage	See Table			
Line Regulation	±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	Continuous			
Over-Temperature	Latching, recycle input and cool to reset			

GENERAL SPECIFICATIONS				
Efficiency	88% typical at 115/230 VAC, full load			
Isolation	4000 VAC Input to Output 1500 VAC Input to Ground			
MTBF	200K Hours, Mil-217F at 25 °C, full load			
Weight	500g			

FEATURES

- Medical 60601-1 Safety Approvals
- Small 6.02 x 2.43 x 1.28" Footprint
- Universal AC Input with Active PFC
- IPX1 Rated Enclosure
- Class I or Class II Construction
- High Efficiency Level V
- High Power Density 5.4W/in³
- CEC 2008 / ErP2 / EISA 2007 Compliant
- EN55011 / FCC Part 15J Class B Emissions
- 3 Year Warranty

ENVIRONMENTAL SPECIFICATIONS				
Operating Temperature	0°C ~ +40°C			
Derating	5%/°C > 40 °C, up to 50 °C max			
Storage Temperature	-40°C ~ +80°C			
Operating Humidity	10~95% (non-condensing)			
Operating Altitude	3000M (max)			
Shock	30 m/s ² , 10mS on 3 axes			
Vibration	10-55 Hz, 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, 4kV contact, 8kV Air Discharge			
EFT/Burst	EN61000-4-4, Level 3, Criterion A			
Surge	EN61000-4-5, Level 3, Criterion A			
Conducted Immunity	EN61000-4-6 ,3V _{RMS} , Criterion A			
Radiated Immunity	EN61000-4-3, 3V _{RMS} , Criterion A			
Magnetic Field	EN61000-4-8, 3A/m, Criterion A			
Dips & Interruptions	EN61000-4-11, Class B			
Safety Approvals	IEC60601-1, 3rd Edition UL 60601-1 CSA 22.2 No. 60601-1 PSE (19V, 24V & 28V Models only) EN60601-1, 3rd Edition CE Mark (LVD)			



Fax:







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MODELS	OUTPUT VOLTAGE	MAXIMUM CURRENT	RIPPLE & Noise	TOTAL REGULATION	
MANGO100-12xy	12V	7.5A	120mV	±5%	
MANG0100-19xy	19V	5.3A	190mV	±5%	
MANGO100-24xy	24V	4.2A	240mV	±5%	
MANGO100-28xy	28V	3.6A	280mV	±5%	
MANGO100-48xy	48V	2.1A	480mV	±5%	

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

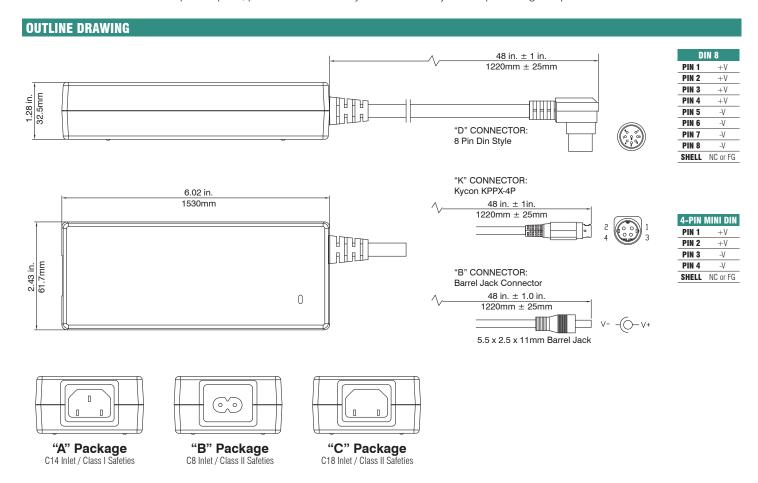
"A" for IEC320-C14 Inlet (Class I Safety Approvals)
"B" for IEC-320 C8 Inlet (Class II Safety Approvals)

"C" for IEC-320 C18 Inlet (Class II Safety Approvals)

"D" for for 8 PIn DIN Connector

"B" for Barrel Jack Connector

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



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

[&]quot;K" for Kycon KPPX-4P Connector