



### INPUT SPECIFICATIONS

<b>Input Voltage</b>	90-264 VAC (Universal)
<b>Input Frequency</b>	47-63Hz
<b>Input Current</b>	0.5A <sub>RMS</sub> at 115VAC
<b>Inrush Current</b>	<70A @ 240 VAC, Cold Start
<b>Power Factor</b>	EN61000-3-2, Class A
<b>Leakage Current</b>	<100µA @ 264VAC
<b>No Load Input Power</b>	<0.3W No Load Input Power @ 240VAC

### OUTPUT SPECIFICATIONS

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

### GENERAL SPECIFICATIONS

<b>Efficiency</b>	73-82% typical at 115/230 VAC, full load
<b>Isolation</b>	Input to Output 3000 VAC
<b>MTBF</b>	200K Hours, Mil-217F at 25 °C, full load
<b>Weight</b>	180g
<b>Means of Protection</b>	2x MOPP(input to output)

### FEATURES

- Medical 60601-1 Safety Approvals
- Small 3.27 x 1.69 x 1.27" Size
- AC Plug Options: US, UK, AUS or EU Wall Mount Packages
- 3 Year Warranty
- Class B Radiated and Conducted Emissions
- Custom colors available
- BF Compliant Isolation

### ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	0°C ~ +50°C
<b>Derating</b>	5%/°C > 40°C, up to 50°C max
<b>Storage Temperature</b>	-20°C ~ +80°C
<b>Operating Humidity</b>	5~95% (non-condensing)
<b>Operating Altitude</b>	3000M (max)
<b>Shock</b>	49m/s <sup>2</sup> (5G), 11ms on 3 axes, total 18 times
<b>Vibration</b>	10-500Hz, 19.6 m/s <sup>2</sup> (2G), 20mins 3 axes

### EMC & SAFETY

<b>Emissions</b>	EN55011, FCC Part J15, Class B, Conducted EN55011, FCC Part J15, Class B, Radiated
<b>Harmonic Current</b>	EN61000-3-2 Class A
<b>Voltage Flicker</b>	EN61000-3-3
<b>ESD</b>	EN61000-4-2, 6kV contact, 8kV Air Discharge
<b>EFT/Burst</b>	EN61000-4-4, Level 3, Criterion A
<b>Surge</b>	EN61000-4-5 Installation Class 3, Criterion A
<b>Conducted Immunity</b>	EN61000-4-6, 3V <sub>RMS</sub> , Criterion A
<b>Radiated Immunity</b>	EN61000-4-3, 3V/m, Criterion A
<b>Magnetic Field</b>	EN61000-4-8, 3A/m, Criterion A
<b>Dips &amp; Interruptions</b>	EN61000-4-11, Class B/C
<b>Safety Approvals</b>	IEC60601-1, 3rd Edition ANSI / AAMIES60601-1 CSA 22.2 No. 60601-1 EN60601-1, 3rd Edition CE Mark (LVD)



MODELS	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE (MAX)	MAX TOTAL REGULATION
<b>MANGO018-5xy</b>	5V	3.0A	50mV	±5%
<b>MANGO018-7.5xy</b>	7.5V	2.4A	75mV	±5%
<b>MANGO018-9xy</b>	9V	2.0A	90mV	±5%
<b>MANGO018-12xy</b>	12V	1.5A	120mV	±5%
<b>MANGO018-19xy</b>	19V	1.0A	190mV	±5%
<b>MANGO018-24xy</b>	24V	0.75A	240mV	±5%
<b>MANGO018-28xy</b>	28V	0.65A	280mV	±5%

• Designate Wall Mount AC Plug option by replacing “x” with one of the following:

01 = US Wall Mount

02 = AUS Wall Mount

03 = UK Wall Mount

04 = EU Wall Mount

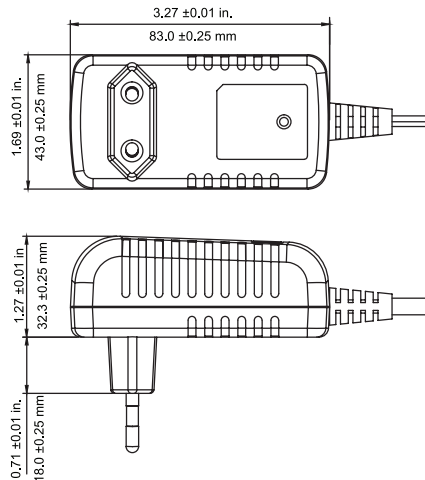
• Designate DC Connector by replacing “y” with “U” for Mini USB or “B” for Barrel Jack Connector. (5.5 x 2.1 x 11mm)

• Other Connectors available upon request, consult factory.

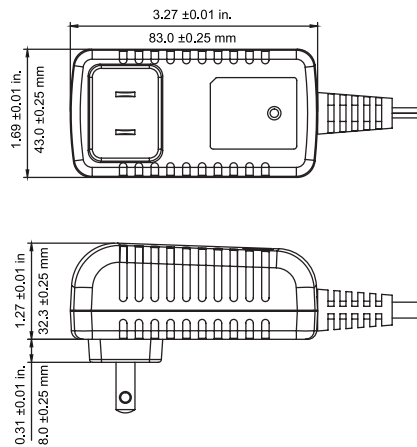
• Consult factory for unique Voltage setpoints or other modifications.

### OUTLINE DRAWING

#### EU WALLMOUNT PACKAGE:



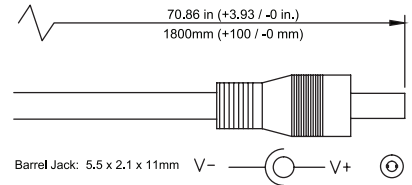
#### US WALLMOUNT PACKAGE:



#### DC CONNECTOR OPTIONS:

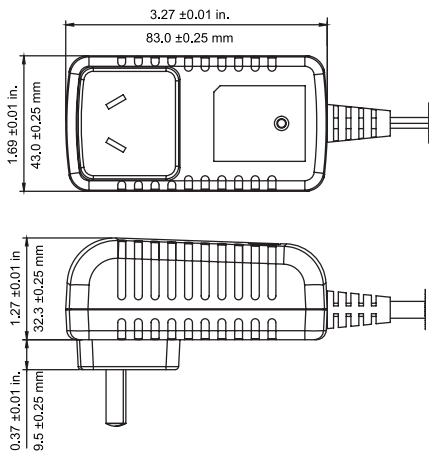
##### Type “B”

5.5 x 2.1 x 11mm

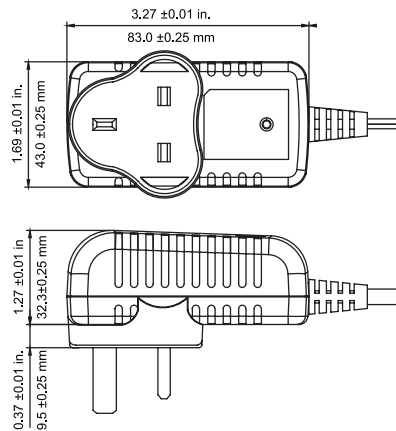


Barrel Jack: 5.5 x 2.1 x 11mm

#### AU WALLMOUNT PACKAGE:



#### UK WALLMOUNT PACKAGE:



##### Type “U”

Mini USB Connector

