

## Features:

- Universal AC input / Full range
- Medical safety approval: ANSI / AAMI ES 60601-1 / TUV EN 60601-1: 2006; IEC 60601-1 / 2xMOPP
- Isolation class II
- Green design, No-load power consumption < 0.3W
- Protection: Short circuit, Over load, Over voltage **Brown-out (Low AC Input Voltage)**
- High operation temperature up to 70°C
- Withstand 2G vibration test
- 3 years warranty







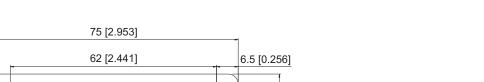


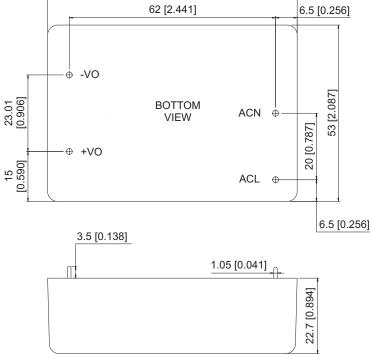
	MARK	E324610			
MODEL		ME15-05	ME15-12	ME15-15	ME15-24
	DC Voltage Range	5V	12V	15V	24V
	Rated Current	3A	1.25A	1.0A	0.63A
	Current Range	0 ~ 3A	0 ~ 1.25A	0 ~ 1.0A	0 ~ 0.63A
	Rated Power	15W	15W	15W	15.12W
Output	Ripple & Noise (Max.)	80mVp-p	150mVp-p	150mVp-p	240mVp-p
Valipat	Voltage Tolerance	+5 / -3%			
L	Line Regulation Note.8	±1%	±0.5%	±0.5%	±0.5%
	Load Regulation Note.8	±1%	±0.5%	±0.5%	±0.5%
	Setup, Rise Time	100ms, 25ms / 230VAC, 100ms, 25ms / 115VAC at full load			
	Hold Up Time	100ms / 230VAC, 25ms / 115VAC at full load			
Input	Voltage Range	85 ~ 264VAC, 125 ~ 373VDC			
	Frequency Range	47 ~ 63Hz			
	Efficiency (Typ.) at 230VAC	79%	82%	84%	85%
	AC Current (Typ.)	0.35A / 115VAC, 0.2A / 230VAC			
	Inrush Current (Typ.)	Cold Start 30A / 115VAC, 50A / 230VAC			
Protection	Over Load	Above 110% rated output power			
	Over Load	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	Over Voltage	115 ~ 145% rated output voltage			
	over voltage	Protection type: latch-off mode			
Environment	Working Temp.	-20 ~ +70°C (Refer to de-rating curve)			
	Working Humidity	20 ~ 90% RH non-condensing			
	Storage Temp., Humidity	-40 ~ +85°C, 10 ~ 95% RH			
	Temp.Coefficient	±0.03% / °C (0 ~ 50°C)			
	Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes			
Safety & EMC	Safety Standards	Certified UL / cUL (ANSI / AAMI ES 60601-1; CAN / CSA-C22.2 No.60601-1); NFPA 99 Certified TUV (EN 60601-1; IEC 60601-1); MOPP approval			
	Withstand Voltage	I/P-O/P: 4KVAC			
	solation Resistance	I/P-O/P: 100M Ohms / 500VDC			
E	EMI Conduction & Radiation	Certified EN 55011			
ŀ	Harmonic Current	Certified EN 61000-3-2; EN 61000-3-3			
E	EMS Immunity	Certified EN 60601-1-2; IEC 61000-4-2, 3, 4, 5, 6, 8, 11			
Others	MTBF	206.3K HRS Certified MIL-HDBK-217F			
	Dimension (WxHxD)	53.0x22.7x75.0 mm / 2.087x0.894x2.953 inch			
	Packing	0.14kg; 108pcs / 16.12kg / 1.43CUFT			
Note 5	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF &amp; 47uF parallel capacitor.</li> <li>Tolerance: includes setup time tolerance, line regulation and load regulation.</li> <li>Line regulation is measured from low line to high line at rated load.</li> <li>Load regulation is measured from 10% to 100% rated load.</li> <li>The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> <li>Length of setup time is measured at first cold start. Turning ON/OFF the power supply continuously may increase the setup time.</li> <li>The line regulation and load regulation are calculated based on output voltage.</li> </ol>				

Unit: mm[inch]

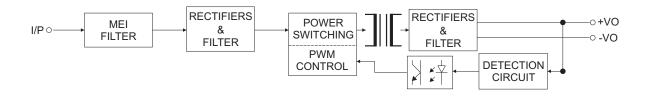


## Mechanical Drawings:





## **Block Diagram:**



## **De-rating Curve:**

