

MEB (12V, 24V, 48V)



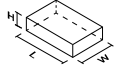
- High Power Density
- 2 × MOPP Isolation
- Safety Approvals to IEC 60601-1 Ed. 2 & 3.1
- Suitable for Type BF Medical Products
- Full Power up to 50°C Ambient
- Class B Conducted and Radiated EMI

Applications



NEW				
Output	MEB-750A12□ AAA	MEB-500A24F AA	MEB-750A24□ AAA	MEB-750A48□ AAA
Output Voltage	12 V	24 V	24 V	48 V
Output Current (Max)	58.4 A	21.0 A	31.25 A	15.63 A
Output Power	700 W	504 W	750 W	750 W
Load Regulation	< 2%	< 150mV	< 2%	
Ripple & Noise	1% pk-pk Vrated @ rated load	< 300mVpp @ 0°C to +50°C	1% pk-pk Vrated @ rated load	
Input				
Input Voltage Range		85-264 V _{AC}	90-264 V _{AC}	85-264 V _{AC}
Input Frequency		47-63Hz		
Efficiency	230 V _{AC} (50Hz)	90.5% typ.	92.0% typ.	94.0% typ.
Leakage Current ¹⁾	264 V _{AC}	Input-PE: 0.3mA typ. @ NC, 1mA typ. @ SFC Output-PE: 0.1mA typ. @ NC, 0.5mA typ. @ SFC	Input-PE: < 0.1mA @ NC, < 0.3mA @ SFC Output-PE: < 0.1mA @ NC, < 0.5mA @ SFC	Input-PE: 0.3mA typ. @ NC, 1mA typ. @ SFC Output-PE: 0.1mA typ. @ NC, 0.5mA typ. @ SFC
Mechanical				
Dimensions (L × W × H)	mm	177.8 × 101.6 × 40	165.3 × 85.2 × 41	177.8 × 101.6 × 40
	inch	7.00 × 4.00 × 1.57	6.50 × 3.35 × 1.61	7.00 × 4.00 × 1.57
	kg	1.10	0.66	1.10
Unit Weight	lb	2.43	1.46	2.43
MTBF ²⁾		> 500,000hrs	> 700,000hrs	> 500,000hrs
EMC & Emissions		EN 55011, EN 55032, FCC Title 47: Class B	EN 55011 & Compliant with EN 55032, FCC Title 47: Class B	EN 55011, EN 55032, FCC Title 47: Class B
Environment				
Operating Temperature ³⁾		-20°C to +70°C		
Storage Temperature		-40°C to +85°C	-30°C to +80°C	-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)	20 to 90% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	IEC 60601-1: 0 to 3,000 m (0 to 9,840 ft) IEC 60950-1 & IEC 62368-1: 0 to 5,000 m (0 to 16,400 ft)	0 to 5,000 m (0 to 16,400 ft)
Medical Rating				
Float Rating		BF		
MOPP		2 × MOPP		

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MEB-500A24F, MTBF as per Telcordia SR-332 (I/P: 115V_{AC}, O/P: 100% load, Ta: 25°C).
MEB-750A12□, MEB-750A24□ and MEB-750A48□, MTBF as per Telcordia SR-332 (I/P: 115V_{AC}, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

MEB (24V, 42V, 48V)



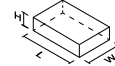
- Up to 1200W in 5" × 8.03" × 1.59" package
- Full power from 90V_{AC} to 264V_{AC}, up to 50°C ambient
- 2 × MOPP isolation, Suitable for type BF medical products
- Current sharing and 5V/2A standby output
- Class B Conducted and Radiated EMI
- PMBus Ver 1.3 supported
- Intelligent fan speed control

Applications



Output		MEB-1K2A24T ABA	MEB-1K2A42T ABA	MEB-1K2A48T ABA
Output Voltage		24 V	42 V	48 V
Output Current (Max)		50.0 A	28.5 A	25.0 A
Output Power		1200 W	1200 W	1200 W
Load Regulation		2%		
Ripple & Noise		1% typ. pk-pk Vrated @ rated load		
Input				
Input Voltage Range		85-264 V _{AC}		
Input Frequency		47-63 Hz		
Efficiency	115 V _{AC} (60 Hz)	90.0% typ.	90.9% typ.	91.5% typ.
	230 V _{AC} (50 Hz)	93.0% typ.	93.2% typ.	94.0% typ.
Leakage Current ¹⁾	264 V _{AC}	Input-PE: < 0.3 mA @ NC, < 1 mA @ SFC Output-PE: < 0.1 mA @ NC, < 0.5 mA @ SFC		
Mechanical				
Dimensions (L × W × H)	mm	204 × 127 × 40.5	204 × 127 × 40.5	204 × 127 × 40.5
	inch	8.03 × 5.0 × 1.59	8.03 × 5.0 × 1.59	8.03 × 5.0 × 1.59
Unit Weight	kg	1.50	1.50	1.50
	lb	3.30	3.30	3.30
MTBF ²⁾		> 500,000 hrs		
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B		
Environment				
Operating Temperature ³⁾		-20°C to +70°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		
Medical Rating				
Float Rating		BF		
MOPP		2 × MOPP		

Dimensions Reference



Notes

- 1) NC: normal condition, SFC: single fault condition.
- 2) MTBF as per Telcordia SR-332 (I/P: 115V_{AC}, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.