

# MEB (24 V, 42 V, 48 V)



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

## Applications



Ultrasound

IVD

Aesthetic

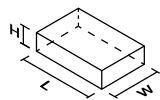
Dialysis

X-Ray

Enclosed Power Supply

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 <sub>AC</sub>		
Input Frequency		47-63 Hz		
Efficiency	115 V <sub>AC</sub> (60 Hz)	90.0% typ.	90.9% typ.	91.5% typ.
	230 V <sub>AC</sub> (50 Hz)	93.0% typ.	93.2% typ.	94.0% typ.
Leakage Current <sup>1)</sup>	264 V <sub>AC</sub>	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 × 5.00 × 1.59	8.03 × 5.00 × 1.59	8.03 × 5.00 × 1.59
Unit Weight	kg	1.50	1.50	1.50
	lb	3.30	3.30	3.30
MTBF <sup>2)</sup>		> 500,000 hrs		
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B		
Environment				
Operating Temperature <sup>3)</sup>		-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: 115 V<sub>AC</sub>, O/P: 100% load, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.

# Open Frame Power Supplies



## MDS

Standard footprint offers versatile output and wattage

**Power Range:** 40-400W



## MEU

U-Frame outline offers convection or forced air cooling

**Power Range:** 600-650W



## MEP

High power density in a small footprint and low profile. Applicable to Class I/II applications

**Power Range:** 120-200W

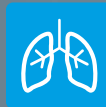
## Applications



Dental



Medical Display



Respiratory



Patient Bed



IVD



Ultrasound



Dialysis