

MEU (12V, 24V, 48V)



- Convection cooled
- Full Power up to 50°C Ambient
- 2 × MOPP isolation
- Suitable for type BF medical products
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- PMBus Ver 1.3 supported (for MEU-600C□T)
- Up to 500Khrs MTBF
- Normal and Reversed Option for Remote On/Off and Power Good Signal

Applications



Patient
Bed



IVD



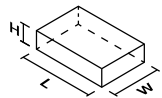
Ultrasound



Dialysis

Output		MEU-650A12T AAA	MEU-600C24T AAA	MEU-650A24T AAA	MEU-600C48T AAA	MEU-650A48T AAA
Output Voltage		12 V	24 V	24 V	48 V	48 V
Output Current (Max)		33.4 A (Convection) 50.0 A (with 11.8 CFM Forced Air)	25.0 A	18.75 A (Convection) 27.1 A (with 6.9 CFM Forced Air)	12.5 A	9.375 A (Convection) 13.6 A (with 11.8 CFM Forced Air)
Output Power		400 W (Convection) 600 W (with 11.8 CFM Forced Air)	600 W	450 W (Convection) 650 W (with 6.9 CFM Forced Air)	600 W	450 W (Convection) 650 W (with 6.9 CFM Forced Air)
Load Regulation		2%				
Ripple & Noise		1% typ. pk-pk Vrated @ rated load (400 W) 1.5% Vrated pk-pk @ rated load (600 W)	1% typ. pk-pk Vrated @ rated load	1% typ. pk-pk Vrated @ rated load (450 W) 1.5% Vrated pk-pk @ rated load (650 W)	1% typ. pk-pk Vrated @ rated load	1% typ. pk-pk Vrated @ rated load (450 W) 1.5% Vrated pk-pk @ rated load (650 W)
Input						
Input Voltage Range		90-264 V _{AC}	85-264 V _{AC}	90-264 V _{AC}	85-264 V _{AC}	90-264 V _{AC}
Input Frequency		47-63 Hz				
Efficiency	115 V _{AC} (60 Hz)	92.0% typ.	92.5% typ.	94.5% typ.	94.0% typ.	95.0% typ.
	230 V _{AC} (50 Hz)	93.0% typ.	94.0% typ.	95.5% typ.	95.0% typ.	96.0% 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	152.4 × 101.6 × 40	203.2 × 127 × 40	152.4 × 101.6 × 40	203.2 × 127 × 40	152.4 × 101.6 × 40
	inch	6.00 × 4.00 × 1.57	8.00 × 5.00 × 1.57	6.00 × 4.00 × 1.57	8.00 × 5.00 × 1.57	6.00 × 4.00 × 1.57
Unit Weight	kg	0.80	1.30	0.80	1.30	0.80
	lb	1.76	2.87	1.76	2.87	1.76
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: 115 V_{AC}, O/P: 100% load for Convection, Ta: 35°C).
- 3) Refer power de-rating in the product datasheet.