Specifications (measured @ Ta= 25°C, 250VAC, full load and after warm-up)

REGULATIONS		
Parameter	**Condition**	**Value**
Output Accuracy	230VAC, full load	±1.0%
Line Regulation	low line to high line, full load	±0.2%
Load Regulation	0% to 100% load 10% to 100% load	0.5% max. 0.4% max.
Transient Peak Deviation	load step from 50% - 75% change at 2.5A/µs	3.0% Vout max.
Transient Recovery Time	load step from 50% - 75% change at 2.5A/µs	500µs typ.

PROTECTIONS			
Parameter	**Condition**		**Value**
Input Fuse	internal line and neutral		T3.15A / 250VAC, slow blow type
Short Circuit Protection (SCP)			continuous, auto-recovery
Over Load Protection (OLP)	% of Iout rated (Hiccup)		115% min. / 150% max.
Over Voltage Protection (OVP)	% of Vout nominal (Latch off)		115% min. / 135% max.
Isolation Voltage [5]	tested for 1 minute	I/P to O/P I/P to Case O/P to Case	4kVAC 1.5kVAC 1.5kVAC
Isolation Resistance	500VDC		100MΩ min.
Insulation Grade			reinforced
Leakage Current	264VAC		75µA max.
Means of Protection	working voltage 250VAC/continuous		2MOPP
Medical Device Classification			built-in power supply
Internal	clearance creepage		>8.0mm >8.0mm

Notes:

Note5: For repeat Hi-Pot testing, reduce the time and/or the test voltage

ENVIRONMENTAL			
Parameter	**Condition**		**Value**
Operating Temperature Range	refer to derating graph		-25°C to +85°C
	full load, 230VAC	enclosed open frame	-25°C to +60°C -25°C to +55°C
Temperature Coefficient			±0.02%/K
Operating Altitude			5000m max.
Operating Humidity	non-condensing		5% to 95% RH
Pollution Degree			PD2
Thermal Shock			MIL-STD-810F
Shock			IEC60068-2-27
Vibration			IEC60068-2-6
MTBF	according to MIL-HDBK-217F, full load, +25°C		790.3 x 10^3 hours

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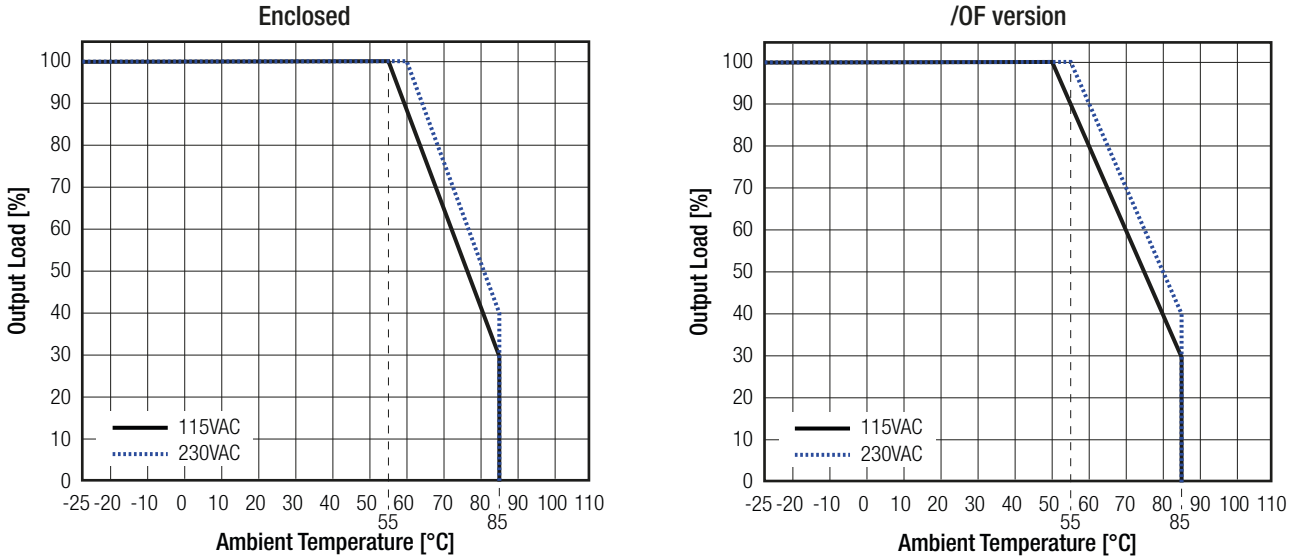
Specifications (measured @ Ta= 25°C, 250VAC, full load and after warm-up)

Derating Graph

(@ Chamber and natural convection 0.1m/s)



SAFETY AND CERTIFICATIONS

Certificate Type (Safety)	Report / File Number	Standard
Medical Electric Equipment, General Requirements for Safety and Essential Performance	E314885	CAN/CSA-C22.2 No. 60601-1:14 ANSI/AAMI ES60601-1:2005 + A2:2010
Medical Electric Equipment, General Requirements for Safety and Essential Performance (CB Scheme)	1408016004	IEC60601-1:2005 + C2:2007, 3rd Edition EN60601-1:2006
Information Technology Equipment - General Requirements for Safety (LVD)	TW1708008-001	EN60950-1:2006 + A2:2013
Information Technology Equipment - General Requirements for Safety		IEC60950-1:2005, 2nd Edition + A2:2013
EAC	RU-AT.49.09571	TP TC 004/2011 TP TC 004/2011
RoHs2+		RoHS-2011/65/EU + AM-2015/863

EMC Compliance (Medical)	Conditions	Standard / Criterion
Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests		EN60601-1-2:2015
Industrial, scientific and medical equipment – Radio frequency disturbance characteristics – Limits and methods of measurement		EN55011:2009 + A1:2010 Class B Conducted, Class A Radiated
Industrial, scientific and medical equipment - Radio frequency disturbance characteritics - Limits and methods of measurement		CISPR11:2009 + A1:2010 Class B Conducted, Class A Radiated
ESD Electrostatic discharge immunity test	Air ±15kV; Contact ±8kV	IEC61000-4-2:2008
Radiated, radio-frequency, electromagnetic field immunity test	10V/m (80-2700MHz) 27V/m (385MHz) 28V/m (450MHz)	IEC61000-4-3:2006 + A2:2010
Fast Transient and Burst Immunity	AC Power Port: ±2kV	IEC61000-4-4:2012
Surge Immunity	AC Port: L-N= ±1kV, L-GND= ±2kV	IEC61000-4-5:2005
Immunity to conducted disturbances, induced by radio-frequency fields	6Vr.m.s	IEC61000-4-6:2013
Power Frequency Magnetic Field	50Hz, 30A/m	IEC61000-4-8:2009
Voltage Dips and Interruptions	Dips: >95%; 30%; Interruptions >95%	IEC61000-4-11:2004
Limits of Harmonic Current Emissions		EN61000-3-2:2005 + A2:2009, Class D
Limits of Voltage Fluctuations and Flicker		EN61000-3-3:2013

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