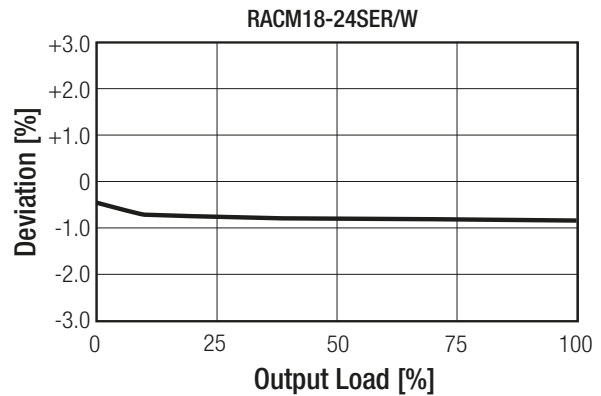
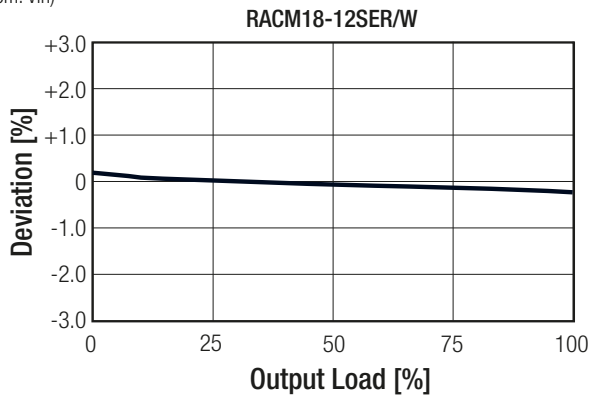


Specifications (measured @ $t_a = 25^\circ\text{C}$, nom. V_{in} (115/230VAC), full load after warm-up unless otherwise stated)

Accuracy vs. Load
(@ nom. V_{in})



PROTECTIONS			
Parameter	Type		Value
Input Fuse	internal (line & neutral)		T2A, slow blow
Short Circuit Protection (SCP)			continuous, auto recovery
Over Voltage Protection (OVP)	5Vout, 12Vout 24Vout		16VDC, Latch OFF 24VDC, Latch OFF
Over Voltage Category (OVC)			OVCII
Over Current Protection (OCP)	< 1 minute	90VAC 160VAC 264VAC	145% of nominal Output Current 180% of nominal Output Current 165% of nominal Output current Hiccup Mode
Over Temperature Protection (OTP)	95°C ambient		thermal shutdown, auto recovery
Class of Equipment			Class II
Isolation Voltage ⁽⁴⁾	I/P to O/P	tested for 1 minute	4.6kVAC
Insulation Grade			reinforced
Leakage Current			100µA max.
Means of Protection	280VAC working voltage		2MOPP
Medical Device Classification			Type BF
Notes:			
Note4: For repeat Hi-Pot testing, reduce the time and/or the test voltage			

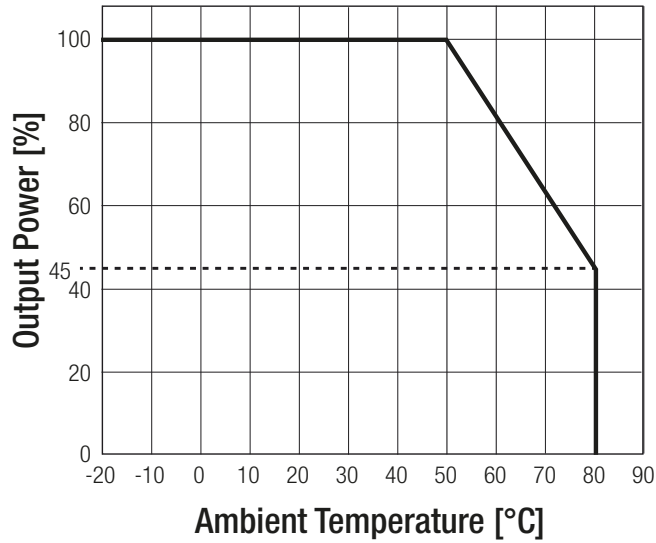
ENVIRONMENTAL			
Parameter	Condition		Value
Operating Temperature Range	natural convection 0.1m/s	without derating with derating	-20°C to +50°C -20°C to +80°C
Maximum Case Temperature			+85°C
Operating Altitude			5000m
Operating Humidity	non-condensing		95% RH max.
IP Rating			IP68
Pollution Degree			PD2
MTBF	according to MIL-HDBK-217F, G.B.	+25°C +50°C	563 x 10 ³ hours 112 x 10 ³ hours
Design Lifetime			130 x 10 ³ hours

continued on next page

Specifications (measured @ $t_a = 25^\circ\text{C}$, nom. V_{in} (115/230VAC), full load after warm-up unless otherwise stated)

Derating Graph

(@ Chamber and natural convection 0.1 m/s)



SAFETY AND CERTIFICATIONS

Certificate Type (Safety)	Report / File Number	Standard
Information Technology Equipment, General Requirements for Safety (CB Scheme)	T223-0255/17	IEC60950-1:2005, 2nd Edition + Am2:2013 EN60950-1:2006 + A2:2013
Information Technology Equipment, General Requirements for Safety	T223-0255/17	UL60950-1, 2nd Edition:2014 CAN/CSA C22.2 No. 60950-1, 2nd Edition:2014
Medical Electric Equipment, General Requirements for Safety and Essential Performance (CB Scheme)	T223-0254/17	IEC60601-1:2005, AM1:2012 EN60601-1:2006 + A12:2014
Medical Electric Equipment, General Requirements for Safety and Essential Performance	T223-0254/17	CAN/CSA-C22.2 No. 60601-1:14, 3rd Edition 2014 ANSI/AAMI ES60601-1:2005
Household and similar electrical appliances - Safety Part 1: General requirements (CB Scheme)	T211-0759/17	IEC60335-1:2010, 5th Edition + A1:2013 EN60335-1:2012 + A11:2014
Safety of power transformers, power supplies, reactors and similar products for supply voltages up to 1100V	T211-0760/17	IEC61558-1:2005, 2nd Edition + A1:2009 EN61558-1:2005 + A1:2009
Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V - Part 2-16: Particular requirements and tests for switch mode power supply units		IEC61558-2-16:2009, 1st Edition + A1:2013 EN61558-2-16:2009 + A1:2013
Degrees of protection provided by enclosures (IP Code)	T211-0584/17	-1989,2nd-Edition+A1:1999+A2:2013
EAC	RU-AT.49.09571	TP TC 004/2011 TP TC 004/2011
RoHs 2 (2+)		RoHs 10/10, AM2015

EMC Compliance (Medical)	Condition	Standard / Criterion
Medical electrical equipment Part 1-2: Electromagnetic disturbances – Requirements and tests		EN60601-1-2:2015
ESD Electrostatic discharge immunity test	Air $\pm 2, 4, 8, 15\text{kV}$; Contact $\pm 8\text{kV}$	IEC61000-4-2:2008, Criteria A
Radiated, radio-frequency, electromagnetic field immunity test	10V/m (80 - 2700MHz)	IEC61000-4-3:2006 + A2:2010, Criteria A
Radiated, radio-frequency, electromagnetic field immunity test (table 9)	27V/m (385MHz), 28V/m (450MHz), 9V/m (710, 745, 780MHz), 28V/m (810, 870, 930, 1720, 1845, 1970, 2450MHz), 9V/m (5240, 5500, 5785MHz)	IEC61000-4-3:2006 + A2:2010, Criteria A
Fast Transient and Burst Immunity	AC Power Port $\pm 2.0\text{kV}$ DC Output Port $\pm 1.0\text{kV}$	IEC61000-4-4:2012, Criteria A
Surge Immunity	AC Power Port: L-N $\pm 0.5, 1.0\text{kV}$	IEC61000-4-5:2005, Criteria A

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