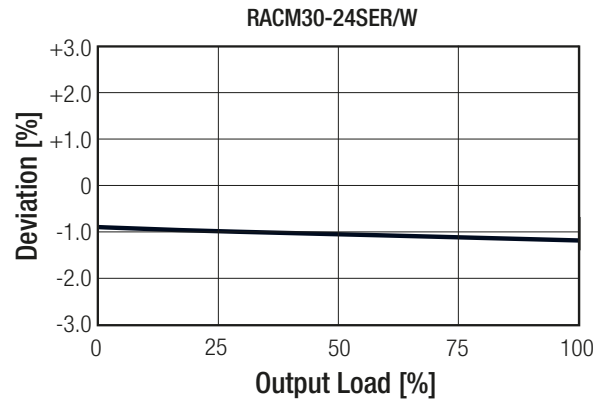
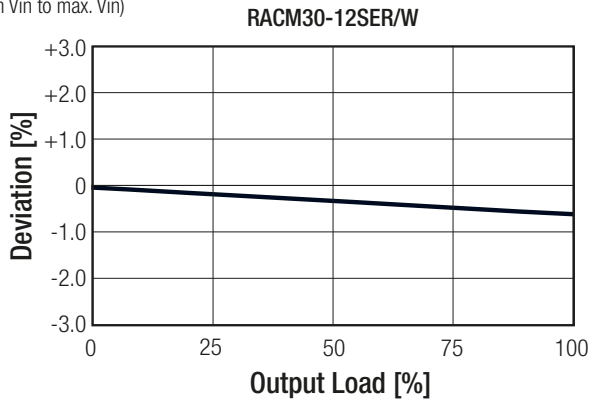


Specifications (measured @ Ta= 25°C, nom. Vin (115/230VAC), full load after warm-up unless otherwise stated)

Accuracy vs. Load

(@ min Vin to max. Vin)



PROTECTIONS

Parameter	Type		Value
Input Fuse	internal (line & neutral)		T2A, slow blow
Short Circuit Protection (SCP)			continuous, auto recovery
Over Voltage Protection (OVP)	12Vout 24Vout		17VDC, Latch OFF 35VDC, Latch OFF
Over Voltage Category (OVC)			OVCII
Over Current Protection (OCP)	< 1 minute	90VAC 264VAC	140% of nominal output current, auto recovery 170% of nominal output current, auto recovery Hiccup Mode
Over Temperature Protection (OTP)	95°C ambient		thermal shutdown, auto recovery
Class of Equipment			Class II
Isolation Voltage ⁽³⁾	I/P to O/P	tested for 1 minute	4.4kVAC
Insulation Grade			reinforced
Leakage Current			100µA max.
Means of Protection	260VAC working voltage		2MOPP
Medical Device Classification			Type BF

Notes:

Note3: For repeat Hi-Pot testing, reduce the time and/or the test voltage

ENVIRONMENTAL

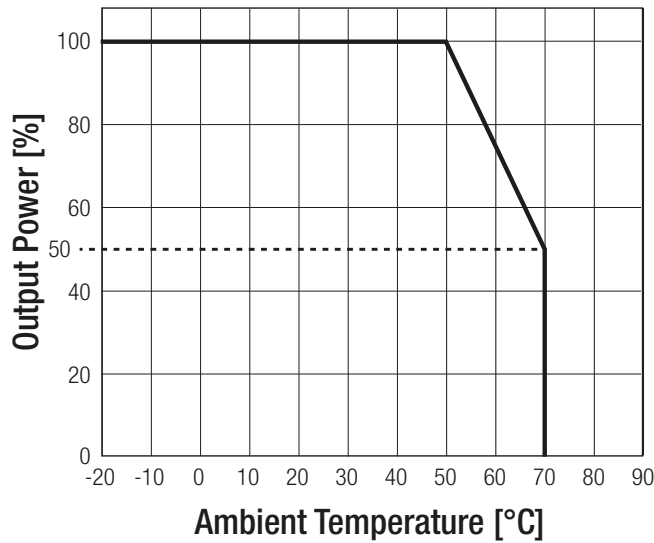
Parameter	Condition		Value
Operating Temperature Range	natural convection 0.1m/s	without derating with derating	-20°C to +50°C -20°C to +70°C
Maximum Case Temperature			+85°C
Operating Altitude			5000m
Operating Humidity	non-condensing		95% RH max.
IP Rating			IP68
Pollution Degree			PD2
MTBF	according to MIL-HDBK- 217F, G.B.	+25°C +50°C	538 x 10 ³ hours 107 x 10 ³ hours
Design Lifetime	E-Cap limitation		130 x 10 ³ hours

continued on next page

Specifications (measured @ Ta= 25°C, nom. Vin (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	IEC60529-1989,2nd-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 ±2, 4, 8, 15kV; Contact ±8kV	IEC61000-4-2:2008
Radiated, radio-frequency, electromagnetic field immunity test	10V/m (80 - 2700MHz)	IEC61000-4-3:2006 + A2:2010
Radiated, radio-frequency, electromagnetic field immunity test (table 9)	27V/m (385MHz), 28V/m (450MHz), 9V/m (710, 745, 780MHz), 28V/m 1720, 1845, 1970, 2450MHz), 9V/m (5240, 5500, 5785MHz)	IEC61000-4-3:2006 + A2:2010, Criteria A
	28V/m (800-960MHz)	IEC61000-4-3:2006 + A2:2010, Criteria B ⁽⁴⁾
Fast Transient and Burst Immunity	AC Power Port ±2.0kV DC Output Port ±1.0kV	IEC61000-4-4:2012
Surge Immunity	AC Power Port: L-N ±0.5, 1.0kV	IEC61000-4-5:2005

Notes:

Note4: Output voltage doesn't meet specified output accuracy

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