















IEC62368-1









UL62368-1 Features

- · 4"×2" compact size
- · Medical safety approved (2 x MOPP) according to ANSI/AAMI ES60601-1 and IEC/BS EN/EN60601-1
- Suitable for BF application with appropriate system consideration
- Cooling by free air convection
- EMI class B for class I configuration
- Extremely low leakage current
- Protections: Short circuit / Overload / Over voltage
- 3 years warranty

Applications

- · Oral irrigator
- · Hemodialysis machine
- Medical computer monitors
- · Sleep apnea devices

■ GTIN CODE

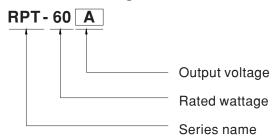
MW Search: https://www.meanwell.com/serviceGTIN.aspx

Description

RPT-60 is a 60W highly reliable green PCB type medical power supply with a high power density on the 4" by 2" footprint. It accepts 90~264VAC input and offers dual output voltages.

RPT-60 is able to be used for Class I (with FG) system design. The extremely low leakage current is less than 150 µA. In addition, it conforms to international medical regulations (2*MOPP) and EMC BS EN/EN55011.

■ Model Encoding



60W Reliable Triple Output Medical Grade

SPECIFICATION

RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	5V 1 4A 2 0.5 ~ 4.4A 0 46.5W 51.15W 80mVp-p 8 +3,-2% = ±0.5% = ±1.5% 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START	15ms/	115VAC at full le		CH2 12V 2A 0.1~2.2A 80mVp-p ±6.0% ±1.0% ±2.0%	CH3 -12V 0.5A 0.1 ~ 0.55A 100mVp-p +10,-6%	CH1 5V 4A 0.5 ~ 4.4A 50W 55W 80mVp-p +3,-2%	15V 1.5A 0.1~1.65A	CH3 -15V 0.5A 0.1 ~ 0.55A			
RATED CURRENT CURRENT RANGE RATED POWER PEAK LOAD(10sec.) Note.2 RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	4A 2 0.5 ~ 4.4A 0 46.5W 51.15W 80mVp-p 8 +3,-2% = ±0.5% = ±1.5% = 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START	2A 0.1 ~ 2.2A 30mVp-p ±6.0% ±1.0% ±2.0% 15ms/	0.5A 0.1 ~ 0.55A 80mVp-p +9,-8% ±1.0% +5,-7% 300ms, 15ms/	4A 0.5 ~ 4.4A 50W 55W 80mVp-p +3,-2% ±0.5% ±1.5% 115VAC at full	2A 0.1 ~ 2.2A 80mVp-p ±6.0% ±1.0%	0.5A 0.1 ~ 0.55A 100mVp-p +10,-6%	4A 0.5 ~ 4.4A 50W 55W 80mVp-p	1.5A 0.1 ~ 1.65A 100mVp-p	0.5A 0.1 ~ 0.55A			
CURRENT RANGE RATED POWER PEAK LOAD(10sec.) Note.2 RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	0.5 ~ 4.4A	0.1 ~ 2.2A 80mVp-p ±6.0% ±1.0% ±2.0% 130VAC 15ms/	0.1 ~ 0.55A 80mVp-p +9,-8% ±1.0% +5,-7% 300ms, 15ms/	0.5 ~ 4.4A 50W 55W 80mVp-p +3,-2% ±0.5% ±1.5% 115VAC at full	0.1 ~ 2.2A 80mVp-p ±6.0% ±1.0%	0.1 ~ 0.55A 100mVp-p +10,-6%	0.5 ~ 4.4A 50W 55W 80mVp-p	0.1 ~ 1.65A 100mVp-p	0.1 ~ 0.55A			
RATED POWER PEAK LOAD (10sec.) Note.2 RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	46.5W 51.15W 80mVp-p 8 +3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC 90~264VAC 47~63Hz 77% 1.1A/115VAC COLD START	80mVp-p ±6.0% ±1.0% ±2.0% 30VAC 15ms/	80mVp-p +9,-8% ±1.0% +5,-7% 300ms, 15ms/	50W 55W 80mVp-p +3,-2% ±0.5% ±1.5% 115VAC at full	80mVp-p ±6.0% ±1.0%	100mVp-p +10,-6%	50W 55W 80mVp-p	100mVp-p				
PEAK LOAD(10sec.) Note.2 RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	51.15W 80mVp-p 8 +3,-2% 2 ±0.5% 2 ±1.5% 3 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START	±6.0% ±1.0% ±2.0% ±30VAC 15ms/	+9,-8% ±1.0% +5,-7% 300ms, 15ms/	55W 80mVp-p +3,-2% ±0.5% ±1.5% 115VAC at full	±6.0% ±1.0%	+10,-6%	55W 80mVp-p		150mVp-p			
RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	80mVp-p 8 +3,-2% : ±0.5% : ±1.5% : 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% : 1.1A/115VAC COLD START	±6.0% ±1.0% ±2.0% ±30VAC 15ms/	+9,-8% ±1.0% +5,-7% 300ms, 15ms/	80mVp-p +3,-2% ±0.5% ±1.5%	±6.0% ±1.0%	+10,-6%	80mVp-p		150mVp-p			
RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	80mVp-p 8 +3,-2% : ±0.5% : ±1.5% : 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% : 1.1A/115VAC COLD START	±6.0% ±1.0% ±2.0% ±30VAC 15ms/	+9,-8% ±1.0% +5,-7% 300ms, 15ms/	80mVp-p +3,-2% ±0.5% ±1.5%	±6.0% ±1.0%	+10,-6%	80mVp-p		150mVp-p			
VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	+3,-2% : ±0.5% : ±1.5% : 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START	±6.0% ±1.0% ±2.0% ±30VAC 15ms/	+9,-8% ±1.0% +5,-7% 300ms, 15ms/	+3,-2% ±0.5% ±1.5% 115VAC at full	±6.0% ±1.0%	+10,-6%			100тр			
LINE REGULATION LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	±0.5% : ±1.5% : 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% : 1.1A/115VAC COLD START	±1.0% ±2.0% 30VAC 15ms/	±1.0% +5,-7% 300ms, 15ms/	±0.5% ±1.5% 115VAC at full	±1.0%	-,	13,-270	$\pm 6.0\%$	±8.0%			
LOAD REGULATION SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	±1.5% 300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START	±2.0% 30VAC 15ms/	+5,-7% 300ms, 15ms/ 115VAC at full le	±1.5%			±0.5%	±2.0%	±2.0%			
SETUP, RISE TIME HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	300ms, 15ms/2 70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START	30VAC 15ms/	300ms, 15ms/ 115VAC at full le	115VAC at full		±2.0% ±5.0%	±1.5%	±3.0%	±4.0%			
HOLD UP TIME (Typ.) VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5	70ms/230VAC 90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START	15ms/	115VAC at full le			±5.0%	1.3%		1 1 4.0 %			
VOLTAGE RANGE FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5 OVERLOAD	90 ~ 264VAC 47 ~ 63Hz 77% 1.1A/115VAC COLD START			300ms, 15ms/230VAC 300ms, 15ms/115VAC at full load								
FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5 OVERLOAD	47 ~ 63Hz 77% 1.1A/115VAC COLD START	127 ~ 37	OVDC:									
EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5 OVERLOAD	77% 1.1A/115VAC COLD START											
AC CURRENT (Typ.) INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5 OVERLOAD	1.1A/115VAC COLD START											
INRUSH CURRENT (Typ.) LEAKAGE CURRENT Note.5 OVERLOAD	COLD START			78% 79%								
LEAKAGE CURRENT Note.5 OVERLOAD		0.7A/	230VAC									
OVERLOAD		60A/230VA	C 30A/11	5VAC	AC							
	Earth leakage of	current < 15	0 μA/264VAC ,	Touch curren	t < 100 μA/264	VAC						
	.5 Earth leakage current < 150 μA/264VAC , Touch current < 100 μA/264VAC 115 ~ 150% rated output power											
	Protection type: Hiccup mode, recovers automatically after fault condition is removed											
	CH1: 5.75 ~ 6.75V											
OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover											
WORKING TEMP				5-power on to	i e c o v e i							
WORKING TEMP.	-20 ~ +65°C (Refer to "Derating Curve")											
WORKING HUMIDITY	20 ~ 90% RH non-condensing											
STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing											
TEMP. COEFFICIENT	±0.03%/°C (0~45°C)											
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes											
OPERATING ALTITUDE Note.6	3 3000 meters											
SAFETY STANDARDS	CAN/CSA C22.2 No. 60601-1:2014+A2, IEC 62368-1:2014, UL 62368-1, 2nd Ed, CSA C22.2 No. 62368-1-14, 2nd Ed, TUV BS EN/ EN 62368-1:2014+A11, EAC TP TC 004 approved											
ISOLATION RESISTANCE								/ N				
EMC EMISSION												
	Conducted emission			,								
	Radiated emission			,								
	Harmonic current			BS EN/EN61000-3-2			Class A					
	Voltage flicker	r		BS EN/EN	61000-3-3							
	BS EN/EN5503	35, BS EN/E	EN60601-1-2									
EMC IMMUNITY	Parameter			Standard			Test Level / Note					
	ESD			BS EN/EN61000-4-2			Level 4, 15KV air ; Level 4, 8KV conta					
							Level 3, 10V/m(80MHz~2.7GHz)					
	RF field susceptibility			BS EN/EN61000-4-3			Table 9, 9~28V/m(385MHz~5.78GHz		,			
	FFT hursts			BS EN/EN61000-4-4			i i					
							Level 4, 4KV/Line-FG; 2KV/Line-Lin					
	<u> </u>											
			,									
	wagnetic nero	u immunity		DO LIV/LIV	01000-4-0				F maniada			
	Voltage dip, interruption BS EN/EN61000-4-11 100% dip 1 periods, 30% dip 25 periods,											
MTRF	111E 21/ b	n Teles	dia CD 222 /D-	100% Interruptions 250 periods								
	4415.3K hrs min. Telcordia SR-332 (Bellcore); 677.8K hrs min. MIL-HDBK-217F (25°C)											
,												
All parameters NOT specially 33% Duty cycle maximum wit Ripple & noise are measured Tolerance: includes set up to Touch current was measured The ambient temperature derr Length of set up time is meas	mentioned are m thin every 30 sect at 20MHz of ban llerance, line regu from primary inpu ating of 3.5°C/100 sured at cold first be shorted. ed a component	neasured at onds. Avera ndwidth by u ulation and lo ut to DC out 00m with far start. Turnin	230VAC input, r ge output power sing a 12" twiste and regulation. put. lless models an g ON/OFF the p	should not exed pair-wire ter d of 5°C/1000r power supply r	ceed the rated minated with a m with fan mod nay lead to incr	power. 0.1 µf & 47 µf parellels for operating ease of the set u	altitude higher p time.	,	,			
S) IS W IS E	AFETY STANDARDS OLATION LEVEL ITHSTAND VOLTAGE OLATION RESISTANCE MC EMISSION MC IMMUNITY TBF MENSION (L*W*H) ACKING . All parameters NOT specially . 33% Duty cycle maximum wit . Ripple & noise are measured . Tolerance : includes set up to . Touch current was measured . The ambient temperature der . Length of set up time is meas . Heat Sink HS1,HS2 can not be	AFETY STANDARDS IEC 60601-1:2 CAN/CSA C22 TUV BS EN/ EI OLATION LEVEL ITHSTAND VOLTAGE OLATION RESISTANCE I/P-O/P, I/P-FG Parameter Conducted em Radiated emis Harmonic cur Voltage flicket BS EN/EN5503 Parameter ESD RF field susc EFT bursts Surge suscep Conducted st Magnetic field Voltage dip, i TBF 4415.3K hrs mi MENSION ACKING All parameters NOT specially mentioned are m 33% Duty cycle maximum within every 30 sec Tolerance: includes set up tolerance, line regulation of set up time is measured at 20MHz of bar Tolerance: includes set up tolerance, line regulation of set up time is measured at cold first Length of set up time is measured at cold first Length of set up time is measured at cold first Length of set up time is measured at cold first Length of set up time is measured at cold first Length of set up time is measured at cold first	AFETY STANDARDS IEC 60601-1:2005+A1+A2 CAN/CSA C22.2 No. 6060¹ TUV BS EN/ EN 62368-1:2 OLATION LEVEL Primary-Secondary: 2xMO ITHSTAND VOLTAGE I/P-O/P;4KVAC I/P-FG;0 Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN55035, BS EN/E Parameter ESD RF field susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption TBF 4415.3K hrs min. Telcor MENSION (L*W*H) 101.6*50.8*29mm or 4"* 2 ACKING 0.15Kg; 96pcs/15.4Kg/0.86 All parameters NOT specially mentioned are measured at: 33% Duty cycle maximum within every 30 seconds. Avera: Ripple & noise are measured at 20MHz of bandwidth by us. Tolerance: includes set up tolerance, line regulation and le. Touch current was measured from primary input to DC out. The ambient temperature derating of 3.5°C/1000m with far Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin Length of set up time is measured at cold first start. Turnin	AFETY STANDARDS IEC 60601-1:2005+A1+A2, TUV BS EN/E CAN/CSA C22.2 No. 60601-1:2014+A2, IEC CAN/CSA C22.2 No. 60601-1:2014+A11, EAC COLATION LEVEL Primary-Secondary: 2xMOPP, Primary-Eat IP-O/P:4KVAC	IEC 60601-1:2005+A1+A2, TUV BS EN/ EN 60601-1:20 CAN/CSA C22.2 No. 60601-1:2014+A2, IEC 62368-1:20 TUV BS EN/ EN 62368-1:2014+A11, EAC TP TC 004 ap OLATION LEVEL Primary-Secondary: 2xMOPP, Primary-Earth:1xMOPP, SITHSTAND VOLTAGE I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC OLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ ' Parameter Conducted emission BS EN/ENS Radiated emission BS EN/ENS Radiated emission BS EN/ENS BS EN/E	IEC 60601-1:2005+A1+A2, TUV BS EN/ EN 60601-1:2006+A1+A12+A	IEC 60601-1:2005+A1+A2, TUV BS EN/EN 60601-1:2006+A1+A12+A2, ANSI/AAMI E CAN/CSA C22.2 No. 60601-1:2014+A2, IEC 62368-1:2014, UL 62368-1, 2nd Ed, CSA TUV BS EN/EN 62368-1:2014+A11, EAC TP TC 004 approved	IEC 60601-1:2005+A1+A2, TUV BS EN/ EN 60601-1:2006+A1+A12+A2, ANSI/AAMI ES60601-1:2006 CAN/CSA C22.2 No. 60601-1:2014+A2, IEC 62368-1:2014, UL 62368-1, 2nd Ed, CSA C22.2 No. 623 TUV BS EN/ EN 62368-1:2014+A11, EAC TP TC 004 approved	IEC 60601-1:2005+A1+A2, TUV BS EN/ EN 60601-1:2006+A1+A12+A2, ANSI/AAMI ES60601-1:2005+A2, CAN/CSA C22.2 No. 60001-1:2014+A2, IEC 62368-1:2014, UL 62368-1, 2nd Ed, CSA C22.2 No. 62368-1-14, 2nd Ed, CSA C22.2			



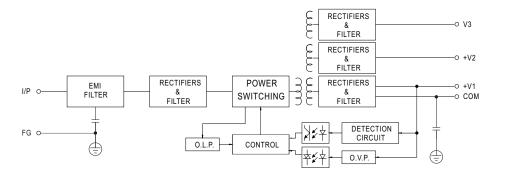
60W Reliable Triple Output Medical Grade

SPECIFICATION

MODEL		RPT-60D			RPT-6003					
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3			
	DC VOLTAGE	5V	24V	12V	3.3V	5V	12V			
ОИТРИТ	RATED CURRENT	3.5A	1A	0.5A	5A	3A	0.7A			
	CURRENT RANGE	0.5 ~ 3.85A	0.1 ~ 1.1A	0.1 ~ 0.55A	0.5 ~ 5.5A	0.3 ~ 3.3A	0.1 ~ 0.77A			
	RATED POWER	47.5W	0.1 1.17	0.1 0.0071	39.9W	0.0 0.071	0.1 0.1111			
		52.25W			43.89W					
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	RIPPLE & NOISE (max.) Note.3		150mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p			
	VOLTAGE TOLERANCE Note.4		±6.0%	±8.0%	+3,-2%	±8.0%	+10,-6%			
	LINE REGULATION	±0.5%	±2.0%	±2.0%	±0.5%	±1.0%	±2.0%			
	LOAD REGULATION	±1.5%	±3.0%	±4.0%	±1.5%	±2.0%	+5.5,-5%			
	SETUP, RISE TIME	300ms, 15ms/230VAC 300ms, 15ms/115VAC at full load								
	HOLD UP TIME (Typ.)	70ms/230VAC 15ms/115VAC at full load								
INPUT E	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	79% 75%								
	AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 60A/230VAC 30A/115VAC								
	LEAKAGE CURRENT Note.5									
	LLANAGE CONNENT Note.5									
	OVERLOAD	115 ~ 150% rated output power								
PROTECTION O		Protection type: Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V			CH1: 3.8 ~ 4.45	5V				
	OVER VOLIAGE	Protection type : Sh	ut down o/p voltage	e, re-power on to reco	ver					
	WORKING TEMP.	-20 ~ +65°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing								
	TEMP. COEFFICIENT	±0.03%/°C (0~45°C)								
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
	OPERATING ALTITUDE Note.6									
	ISOLATION LEVEL WITHSTAND VOLTAGE	TUV BS EN/ EN 62368-1:2014+A11, EAC TP TC 004 approved Primary-Secondary: 2xMOPP, Primary-Earth:1xMOPP, Secondary-Earth:1xMOPP I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC								
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH								
	IOOEATION REGISTANCE	Parameter	-1 O. 100IVI OIIIII37	Standard	70 1311	Test Level / N	oto			
	EMC EMISSION				BS EN/EN55011 (CISPR11)		Class B			
		Conducted emission		/						
		Radiated emission		BS EN/EN55011 (CISPR11)		Class B				
SAFETY &		Harmonic current			BS EN/EN61000-3-2		Class A			
EMC		Voltage flicker BS EN/EN61000-3-3								
(Note 9)	EMC IMMUNITY	BS EN/EN55035, BS EN/EN60601-1-2								
		Parameter		Standard		Test Level / N	ote			
		ESD		BS EN/EN6100	BS EN/EN61000-4-2		Level 4, 15KV air ; Level 4, 8KV cont			
		RF field susceptibility		BS EN/EN61000-4-3		Level 3, 10V/m(80MHz~2.7GHz) Table 9, 9~28V/m(385MHz~5.78GHz)				
		EFT bursts		BS EN/EN6100	BS EN/EN61000-4-4		Level 3, 2KV			
		Surge susceptibili	ty	BS EN/EN61000-4-5		Level 4, 4KV/Line-FG; 2KV/Line-Li				
		Conducted susce	•	BS EN/EN6100	00-4-6	Level 3, 10V				
		Magnetic field imr	•	BS EN/EN6100		Level 4, 30A/n	1			
			·	BS EN/EN6100		100% dip 1 periods, 30% dip 25 perio 100% interruptions 250 periods				
		Voltage dip, interr				1 100 /0 IIILEITUPLIC	ing 250 neriode			
	MTRE	• 1.	<u> </u>	(Pollogra) : 677 0V 5	omin MII LIDDIY (ins 250 periods			
OTHERS	MTBF	4415.3K hrs min.	Telcordia SR-332 ((Bellcore) ; 677.8K hrs	s min. MIL-HDBK-2		ins 250 periods			
OTHERS	MTBF DIMENSION (L*W*H) PACKING	• 1.	Telcordia SR-332 (r 4" * 2" *1.14" inch		s min. MIL-HDBK-2		ins 250 periods			

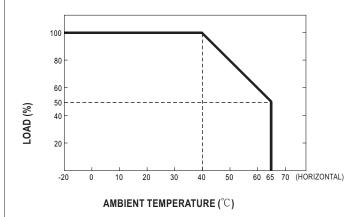


■ Block Diagram

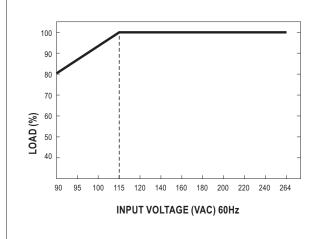


fosc: 100KHz

■ Derating Curve



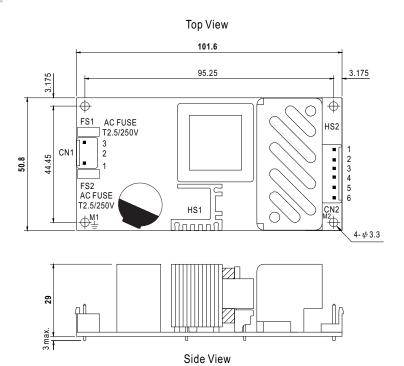
■ Output Derating VS Input Voltage





■ Mechanical Specification

(Unit: mm , tolerance ± 1mm)



AC Input Connector (CN1): JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal		
1	AC/N	ICTVIID	ICT CVIII 24T D4 4		
2	No Pin	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent		
3	AC/L	3. 344.7410111	or oquivalent		

DC Output Connector (CN2): JST B6P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	V1		
3,4	COM	JST VHR	JST SVH-21T-P1.1
5	V2	or equivalent	or equivalent
6	V3		

\pm : Grounding Required



1.HS1,HS2 cannot be shorted.

2.M1 is safety ground. For better EMC performance, Please secure an electrical connection between M1,M2 and chassis grounding.

■ Installation Manual

Please refer to: http://www.meanwell.com/manual.html