





Features



### Applications

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

- 4"×2" compact size
- · Medical safety approved (2 x MOPP) according to ANSI/AAMI ES60601-1 and IEC/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

### 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 150µA. In addition, it conforms to international medical regulations (2\*MOPP) and EMC EN55011.





#### SPECIFICATION

IPPLE & NOISE (max.) Note.3 OLTAGE TOLERANCE Note.4 INE REGULATION OAD REGULATION ETUP, RISE TIME IOLD UP TIME (Typ.) OLTAGE RANGE IREQUENCY RANGE IFFICIENCY (Typ.) AC CURRENT (Typ.)	5V 4A 0.5~4.4A 46.5W 51.15W 80mVp-p +3,-2% ±0.5%	CH2 12V 2A 0.1~2.2A 80mVp-p ±6.0% ±1.0% ±2.0%	CH3 -5V 0.5A 0.1~0.55A 80mVp-p +9,-8% ±1.0%	CH1 5V 4A 0.5~4.4A 50W 55W 80mVp-p +3,-2%	CH2 12V 2A 0.1~2.2A	CH3 -12V 0.5A 0.1 ~ 0.55A	CH1 5V 4A 0.5 ~ 4.4A 50W	CH2 15V 1.5A 0.1~1.65A	CH3 -15V 0.5A 0.1 ~ 0.55/	
ATED CURRENT CURRENT RANGE CATED POWER PEAK LOAD(10sec.) Note.2 PEAK LOAD(10sec.) PEAK L	5V 4A 0.5 ~ 4.4A 46.5W 51.15W 80mVp-p +3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	12V 2A 0.1 ~ 2.2A 80mVp-p ±6.0% ±1.0% ±2.0%	-5V 0.5A 0.1 ~ 0.55A 80mVp-p +9,-8%	5V 4A 0.5~4.4A 50W 55W 80mVp-p	12V 2A 0.1~2.2A	-12V 0.5A	5V 4A 0.5 ~ 4.4A 50W	15V 1.5A	-15V 0.5A	
URRENT RANGE ATED POWER EAK LOAD(10sec.) Note.2 EAK LOAD(10sec.) Note.2 UPPLE & NOISE (max.) Note.3 OLTAGE TOLERANCE Note.4 INE REGULATION OAD REGULATION OAD REGULATION OAD REGULATION OAD REGULATION OLTAGE RANGE REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)	0.5~4.4A 46.5W 51.15W 80mVp-p +3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	0.1 ~ 2.2A 80mVp-p ±6.0% ±1.0% ±2.0%	0.1 ~ 0.55A 80mVp-p +9,-8%	0.5 ~ 4.4A 50W 55W 80mVp-p	0.1 ~ 2.2A	-	0.5 ~ 4.4A 50W			
URRENT RANGE ATED POWER EAK LOAD(10sec.) Note.2 EAK LOAD(10sec.) Note.2 UPPLE & NOISE (max.) Note.3 OLTAGE TOLERANCE Note.4 INE REGULATION OAD REGULATION OAD REGULATION OAD REGULATION OAD REGULATION OLTAGE RANGE REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)	0.5~4.4A 46.5W 51.15W 80mVp-p +3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	0.1 ~ 2.2A 80mVp-p ±6.0% ±1.0% ±2.0%	0.1 ~ 0.55A 80mVp-p +9,-8%	0.5 ~ 4.4A 50W 55W 80mVp-p	0.1 ~ 2.2A	-	0.5 ~ 4.4A 50W			
ATED POWER EAK LOAD(10sec.) Note.2 RIPPLE & NOISE (max.) Note.3 OLTAGE TOLERANCE Note.4 INE REGULATION OAD REGULATION OAD REGULATION OAD REGULATION OAD REGULATION OAD REGULATION OAD REGULATION COLTAGE RANGE REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)	46.5W 51.15W 80mVp-p +3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	80mVp-p ±6.0% ±1.0% ±2.0%	80mVp-p +9,-8%	50W 55W 80mVp-p			50W		1	
EAK LOAD(10sec.) Note.2 IPPLE & NOISE (max.) Note.3 IOLTAGE TOLERANCE Note.4 INE REGULATION OAD REGULATION IOLD UP TIME (Typ.) IOLTAGE RANGE REQUENCY RANGE IFFICIENCY (Typ.) IC CURRENT (Typ.)	51.15W 80mVp-p +3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	+ 6.0% + 1.0% + 2.0%	+9,-8%	55W 80mVp-p	1					
IPPLE & NOISE (max.) Note.3 OLTAGE TOLERANCE Note.4 INE REGULATION OAD REGULATION ETUP, RISE TIME IOLD UP TIME (Typ.) OLTAGE RANGE IREQUENCY RANGE IFFICIENCY (Typ.) AC CURRENT (Typ.)	80mVp-p +3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	+ 6.0% + 1.0% + 2.0%	+9,-8%	80mVp-p			55W			
OLTAGE TOLERANCE Note.4 INE REGULATION OAD REGULATION ETUP, RISE TIME IOLD UP TIME (Typ.) OLTAGE RANGE REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)	+3,-2% ±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	+ 6.0% + 1.0% + 2.0%	+9,-8%		80mVp-p	100mVp-p	80mVp-p	100mVp-p	150mVp-p	
INE REGULATION OAD REGULATION ETUP, RISE TIME IOLD UP TIME (Typ.) OLTAGE RANGE REQUENCY RANGE IFFICIENCY (Typ.) IC CURRENT (Typ.)	±0.5% ±1.5% 300ms, 15ms/2 70ms/230VAC	±1.0% ±2.0%	· ·		±6.0%	+10,-6%	+3,-2%	±6.0%	±8.0%	
OAD REGULATION ETUP, RISE TIME IOLD UP TIME (Typ.) OLTAGE RANGE REQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT (Typ.)	±1.5% 300ms, 15ms/2 70ms/230VAC	±2.0%	1.0%	,		-			±2.0%	
ETUP, RISE TIME IOLD UP TIME (Typ.) OLTAGE RANGE REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)	300ms, 15ms/2 70ms/230VAC			±0.5%	±1.0%	±2.0%	±0.5%	±2.0%		
IOLD UP TIME (Typ.) OLTAGE RANGE REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)	70ms/230VAC	$2301/\Delta$	+5,-7%	±1.5%	±2.0%	±5.0%	±1.5%	±3.0%	±4.0%	
OLTAGE RANGE REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)			300ms, 15ms/		load					
REQUENCY RANGE FFICIENCY (Typ.) C CURRENT (Typ.)	90 ~ 264VAC		15VAC at full lo	bad						
FFICIENCY (Typ.) C CURRENT (Typ.)		127 ~ 370	OVDC							
C CURRENT (Typ.)	47 ~ 63Hz									
	77%			78%			79%			
	1.1A/115VAC	0.7A/2	30VAC							
NRUSH CURRENT (Typ.)	COLD START 60A/230VAC 30A/115VAC									
EAKAGE CURRENT Note.5										
	115 ~ 150% rated output power									
VERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed									
	CH1: 5.75 ~ 6.75V									
VER VOLTAGE										
	Protection type : Shut down o/p voltage, re-power on to recover									
VORKING TEMP.	-20 ~ +65°C (Refer to "Derating Curve")									
	20 ~ 90% RH non-condensing									
TORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing									
EMP. COEFFICIENT	±0.03%/°C (0~45°C)									
IBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
PERATING ALTITUDE Note.6	6 3000 meters									
AFETY STANDARDS	UL60950-1,TUV EN60950-1,IEC60601-1, EAC TP TC 004,UL ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No. 60601-1:14 - Edition 3 approved, TUV EN60601-1 approved									
SOLATION LEVEL	Primary-Secondary: 2xMOPP, Primary-Earth:1xMOPP, Secondary-Earth:1xMOPP									
VITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC									
SOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH									
EMC EMISSION				Standard						
	Conducted emission			EN55011 (CISPR11)						
	Radiated emission			EN55011 (CISPR11)			Class B			
	Harmonic current			EN61000-3-2			Class A			
EMC IMMUNITY	EN60601-1-2						1			
	Parameter			Standard			Test Level / Note			
				EN61000-4-2						
							Level 3, 10V/m( 80MHz~2.7GHz )			
	RF field susceptibility			EN61000-4-3			Table 9, 9~28V/m( 385MHz~5.78GHz )			
	FFT bursts			EN61000-4-4			· · · · · · · · · · · · · · · · · · ·			
		ntihility					, ,			
			1							
		. ,					,			
	Magnetic nei	ammunity		LIN01000-4	-0				noriodo	
Voltage dip, inter				EN61000-4-11			100% interruptions 250 periods			
ITBF				)						
IMENSION (L*W*H)										
ACKING	0.15Kg; 96pcs/15.4Kg/0.89CUFT									
2. 33% Duty cycle maximum v 3. Ripple & noise are measure	um within every 30 seconds. Average output power should not exceed the rated power. asured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor. t up tolerance, line regulation and load regulation.						2000m/650			
MIT SOI SOI SOI SOI SOI SOI SOI SOI	HSTAND VOLTAGE LATION RESISTANCE C EMISSION C IMMUNITY F ENSION (L*W*H) KING All parameters NOT specia 13% Duty cycle maximum y Pipple & noise are measura Tolerance : includes set up Touch current was measure	LIMMUNITY CIMMUNITY CIMMUN	HSTAND VOLTAGE       I/P-O/P:4KVAC       I/P-FG:21         ATION RESISTANCE       I/P-O/P:4KVAC       I/P-FG:10         Parameter       Conducted emission         Radiated emission       Harmonic current         Voltage flicker       EN60601-1-2         Parameter       ESD         RF field susceptibility       EFT bursts         Surge susceptibility       Conducted susceptibility         King       0.15Kg; 96pcs/15.4Kg/0.89         Voltage dip, are measured at 20MHz of bandwidth Every 30 seconds. Av         Ripple & noise are measured at 20MHz of bandwidth Defence, line regulation ar	HSTAND VOLTAGE       I/P-O/P:4KVAC       I/P-FG:2KVAC       O/P-F         LATION RESISTANCE       I/P-O/P. I/P-FG, O/P-FG:100M Ohms / 500         Parameter       Conducted emission         Radiated emission       Harmonic current         Voltage flicker       Voltage flicker         EN60601-1-2       Parameter         ESD       RF field susceptibility         EFT bursts       Surge susceptibility         Conducted dip, interruption       677.8K hrs min.         FF       677.8K hrs min.       MIL-HDBK-217F (25°C)         ENSION       L*W*H)       101.6*50.8*29mm or 4" * 2" *1.14" inch         KING       0.15Kg; 96pcs/15.4Kg/0.89CUFT         MI parameters NOT specially mentioned are measured at 230VAC in 13% Duty cycle maximum within every 30 seconds. Average output prolear and load regulat         Current was measured from primary input to DC output.	HSTAND VOLTAGE       I/P-O/P:4KVAC       I/P-FG:2KVAC       O/P-FG:1.5KVAC         LATION RESISTANCE       I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/7         Parameter       Standard         Conducted emission       EN55011 (0         Radiated emission       EN55011 (0         Harmonic current       EN61000-3         Voltage flicker       EN61000-3         Voltage flicker       EN61000-4         ESD       EN61000-4         EFT bursts       EN61000-4         Surge susceptibility       EN61000-4         Voltage dip, interruption       EN61000-4	HSTAND VOLTAGE       I/P-O/P:4KVAC       I/P-FG:2KVAC       O/P-FG:1.5KVAC         LATION RESISTANCE       I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH         Parameter       Standard         Conducted emission       EN55011 (CISPR11)         Radiated emission       EN55011 (CISPR11)         Harmonic current       EN61000-3-2         Voltage flicker       EN61000-3-3         EN60601-1-2       Parameter         Standard       ESD         ESD       EN61000-4-2         RF field susceptibility       EN61000-4-3         EFT bursts       EN61000-4-4         Surge susceptibility       EN61000-4-6         Magnetic field immunity       EN61000-4-6         Magnetic field immunity       EN61000-4-11         IF       677.8K hrs min.       MIL-HDBK-217F (25°C)         ENSION       (L*W*H)       101.6*50.8*29mm or 4" * 2" *1.14" inch         KING       0.15Kg; 96pcs/15.4Kg/0.89CUFT       Stand and 25°C of 03% Duty cycle maximum within every 30 seconds. Average output power should not exceed the Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated olearance : includes set up tolerance, line regulation and load regulation. Tower should not exceed the Ripple & noise are measured from primary input to DC output.	HSTAND VOLTAGE       I/P-O/P:4KVAC       I/P-FG:2KVAC       O/P-FG:1.5KVAC         ATION RESISTANCE       I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH         Parameter       Standard         Conducted emission       EN55011 (CISPR11)         Radiated emission       EN55011 (CISPR11)         Harmonic current       EN61000-3-2         Voltage flicker       EN61000-3-3         EN60601-1-2       Parameter         Standard       ESD         EFT bursts       EN61000-4-2         RF field susceptibility       EN61000-4-3         EFT bursts       EN61000-4-4         Surge susceptibility       EN61000-4-6         Magnetic field immunity       EN61000-4-6         Magnetic field immunity       EN61000-4-11         FF       677.8K hrs min.       ML-HDBK-217F (25°C)         ENSION       (L*W*H)       101.6*50.8*29mm or 4" * 2" *1.14" inch         Voltage dip, interruption       EN61000-4-11         IF       677.8K hrs min.       ML-HDBK-217F (25°C)         ENSION       (L*W*H)       101.6*50.8*29mm or 4" * 2" *1.14" inch         Voltage dip, interruption       EN61000-4-11         IF       677.8K hrs min.       ML-HDBK-217F (25°C)         ENSION       0.	HSTAND VOLTAGE       I/P-O/P:4KVAC       I/P-FG:2KVAC       O/P-FG:1.5KVAC         LATION RESISTANCE       I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH       Parameter       Standard       Test Level         C EMISSION       Radiated emission       EN55011 (CISPR11)       Class B         Radiated emission       EN55011 (CISPR11)       Class B         Harmonic current       EN61000-3-2       Class A         Voltage flicker       EN61000-3-3          EN60601-1-2       Parameter       Standard       Test Level         ESD       EN61000-4-2       Level 4, 15f         ESD       EN61000-4-3       Level 3, 10V         Table 9, 9-2       EFT bursts       EN61000-4-4       Level 3, 10V         Surge susceptibility       EN61000-4-4       Level 3, 10V       Table 9, 9-2         EFT bursts       EN61000-4-4       Level 3, 10V       Table 9, 9-2         Voltage dip, interruption       EN61000-4-5       Level 4, 4K       Conducted susceptibility       EN61000-4-6       Level 4, 30/         Voltage dip, interruption       EN61000-4-11       100% dip 1pe       100% dip 1pe       100% dip 1pe         Voltage dip, interruption       EN61000-4-11       100% dip 1pe       100% dip 1pe       100% dip 1pe	HSTAND VOLTAGE       I/P-O/P:4KVAC       I/P-FG:2KVAC       O/P-FG:1.5KVAC         LATION RESISTANCE       I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH       Test Level / Note         C EMISSION       Radiated emission       EN55011 (CISPR11)       Class B         Radiated emission       EN55011 (CISPR11)       Class A         Voltage flicker       EN61000-3-2       Class A         Voltage flicker       EN61000-3-3          Parameter       Standard       Test Level / Note         ESD       EN61000-4-2       Level 4, 15KV air ; Level 4         Parameter       Standard       Level 3, 10V/m(80MHz-2, 7)         Table 9, 9-28V/m( 385MHz)       EN61000-4-3       Level 3, 10V/m(80MHz-2, 7)         Guide dusceptibility       EN61000-4-4       Level 3, 10V/m(80MHz-2, 7)         Surge susceptibility       EN61000-4-5       Level 4, 4KV/Line-FG ; 21         C IMMUNITY       EFT bursts       EN61000-4-5       Level 4, 4KV/Line-FG ; 21         C onducted susceptibility       EN61000-4-6       Level 4, 30A/m         Voltage dip, interruption       EN61000-4-11       100% dip 1 periods, 30% dip 21         Wagnetic field immunity       EN61000-4-11       100% interruptions 250 perio         IF       677.8K hrs min.       MIL+HDBK-217F (2	



#### **SPECIFICATION**

MODEL		RPT-60D			RPT-6003					
	OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3			
	DC VOLTAGE	5V	24V	12V	3.3V	5V	12V			
	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 0.00/1	39.9W	0.0 0.0/1	0.1 0.111			
		1				43.89W				
OUTPUT		52.25W								
	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						
	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
NIBUT	EFFICIENCY (Typ.)	79% 75%								
INPUT	AC CURRENT (Typ.)	1,1A/115VAC 0,7A/230VAC								
	INRUSH CURRENT (Typ.)	COLD START 60A/230VAC 30A/115VAC								
	LEAKAGE CURRENT Note.5									
	LEARAGE CORRENT NOLE.J	5	· ·	AC, Touch current < T	00 μA/204VAC					
	OVERLOAD	115 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		51	iccup mode, recov							
	OVER VOLTAGE	CH1: 5.75 ~ 6.75V			CH1: 3.8 ~ 4.4	5V				
				ge, re-power on to reco	ver					
	WORKING TEMP.	-20 ~ +65 $^{\circ}$ 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									
	of Elianito Alifiobe note.	3 3000 meters UL60950-1.TUV EN60950-1.IEC60601-1. EAC TP TC 004.UL ANSI/AAMI ES60601-1.								
	SAFETY STANDARDS	CAN/CSA-C22.2 No. 60601-1:14 - Edition 3 approved, TUV EN60601-1 approved								
	ISOLATION LEVEL	Primary-Secondary: 2xMOPP, Primary-Earth:1xMOPP, Secondary-Earth:1xMOPP								
	WITHSTAND VOLTAGE	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 / 70% RH								
		Parameter Standard Test Level / Note								
		Conducted emission EN55011 (CISPR			PR11)					
	EMC EMISSION				EN55011 (CISPR11)		Class B			
	ENIC ENISSION	Radiated emissio		\	( /					
SAFETY &		Harmonic current EN61000-3-2				Class A				
		Voltage flicker EN61000-3-3								
(Note 9)	EMC IMMUNITY	EN60601-1-2								
		Parameter		Standard			Test Level / Note			
		ESD		EN61000-4-2	EN61000-4-2		Level 4, 15KV air ; Level 4, 8KV cont			
				ENIC4000 4.0			Level 3, 10V/m( 80MHz~2.7GHz )			
		RF field suscepti	bility	EN61000-4-3	EN61000-4-3		Table 9, 9~28V/m( 385MHz~5.78GHz )			
		EFT bursts		EN61000-4-4	EN61000-4-4		Level 3, 2KV			
		Surge susceptib	lity	EN61000-4-5			Level 4, 4KV/Line-FG ; 2KV/Line-Li			
		Conducted susceptibility		EN61000-4-6			Level 3, 10V			
		Magnetic field im		EN61000-4-8						
		Magnetic neid in	munity	21101000 4 0	Level 4, 30A/m 100% dip 1 periods, 30% dip 25 periods					
		Voltage dip, inter	ruption	EN61000-4-11		100% interruptio				
	MTBF	677.8K hrs min. MIL-HDBK-217F (25°C)								
OTHERS	DIMENSION (L*W*H)	101.6*50.8*29mm	or 4" * 2" *1.14" in	ch						
	PACKING	0.15Kg; 96pcs/15.4Kg/0.89CUFT								
NOTE	<ol> <li>33% Duty cycle maximum of 3. Ripple &amp; noise are measured 4. Tolerance : includes set up 5. Touch current was measured 6. The ambient temperature of 7. Length of set up time is me 8. Heat Sink HS1,HS2 can nc 9. The power supply is consid a 360mm*360mm metal plage</li> </ol>	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. within every 30 seconds. Average output power should not exceed the rated power. red at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 µf & 47 µf parallel capacitor. to be charace, line regulation and load regulation. red from primary input to DC output. derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500 easured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. ot be shorted. dered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on ate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to please refer to "EMI testing of component power supplies."								



File Name: RPT-60-SPEC 2018-01-12



60W Reliable Triple Output Medical Grade

Derating Curve



# RPT-60 series

-o V3

-o +V2

-o +V1

-o com

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DETECTION CIRCUIT

0.V.P.

fosc: 100KHz







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

	•	,	·		
Pin No.	Assignment	Mating Housing	Terminal		
1	AC/N				
2	No Pin	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent		
3	AC/L	or oquiraioni	or oquivaloni		

#### 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

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MEAN WELL:

RPT-6003 RPT-60B RPT-60D RPT-60A RPT-60C