

























## Features

- · 3"×2" compact size
- · 120W convention, 150W peak (10sec.)
- · Medical safety approved (2 x MOPP) accroding to ANSI/AAMI ES60601-1 and IEC/BS EN/EN60601-1
- · Suitable for BF application with appropriate system consideration
- · EMI for both Class I & Class II configuration
- -30~+85°C wide range operating temperature
- No load power consumption<0.3W</li>
- · Extremely low leakage current
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- Operating altitude up to 4000 meters (Note.6)
- · 3 years warranty

# Applications

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

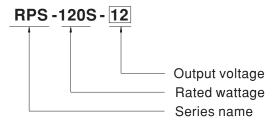
#### GTIN CODE

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

# Description

RPS-120S is a 120W highly reliable green PCB type medical power supply with a high power density on a 3" by 2" footprint. It accepts 80~264VAC input and offers various models with the output voltages between 12V and 48V. The working efficiency is up to 94% and the extremely low no load power consumption is down below 0.3W. RPS-120S is able to be used for both Class I (with FG) & Class II (no FG) system design. The extremely low leakage current is less than 150 µA. In addition, it conforms to the international medical regulations (2\*MOPP) and EMC BS EN/EN55011, perfectly fitting all kinds of BF rated "patient contact" medical system equipment.

### Model Encoding





#### **SPECIFICATION**

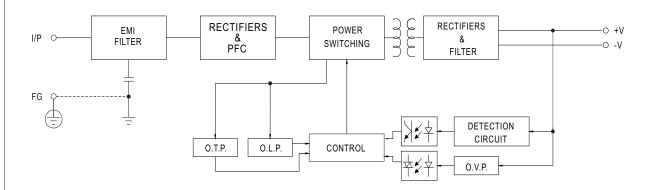
			RPS-120S-12	RPS-120S-15	RPS-120S-24	RPS-120S-27	RPS-120S-48	
	DC VOLTAGE	•	12V	15V	24V	27V	48V	
ОИТРИТ		Peak(10 sec.)	11.8A	9.5A	6.25A	5.55A	3.125A	
	CURRENT	Convection		7.6A	5A	4.44A	2.5A	
	RATED POWER	Peak(10 sec.)	141.6W	142.5W	150W	149.8W	150W	
		Convection		114W	120W	119.9W	120W	
	RIPPI F & NOIS			120mVp-p	150mVp-p	150mVp-p	200mVp-p	
	RIPPLE & NOISE (max.) Note.2  VOLTAGE ADJ. RANGE		11.4~12.6V	14.3~15.8V	22.8~25.2V	25.6 ~ 28.4V	45.6 ~50.4V	
	VOLTAGE TOLERANCE Note.3			±2.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION		±0.5%				±0.5%	
				±0.5%	±0.5%	±0.5%		
	LOAD REGULATION		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	SETUP, RISE TIME		600ms, 30ms/230VAC 600ms, 30ms/115VAC at full load					
	HOLD UP TIME (Typ.)		15ms/230VAC 15ms/115VAC at full load					
	VOLTAGE RANGE Note.4		80 ~ 264VAC 113 ~ 370VDC					
	FREQUENCY RANGE		47 ~ 63Hz					
	POWER FACTOR		PF>0.94/230VAC PF>0.98/115VAC at full load					
INPUT	EFFICIENCY (Typ.)		91%	92%	93%	94%	93.5%	
	AC CURREN	Т (Тур.)	2.3A/115VAC 1.	1A/230VAC				
	INRUSH CURRENT (Typ.)		COLD START 30A/115VAC 60A/230VAC					
			5 Earth leakage current < 150 μA/264VAC , touch current < 80 μA/264VAC					
			130~160% rated outp		,			
PROTECTION	OVERLOAD		·	· · · · · · · · · · · · · · · · · · ·	automatically after fault of	ondition is removed		
			13.2 ~ 15.6V	16.5 ~ 19.5V	26.4 ~ 31.2V	29.7 ~ 35V	52.8 ~ 62.4V	
	OVER VOLTA	AGE			re-power on to recover	29.1 530	32.0 02.40	
	OVED TEMP		3.	, 5				
	OVER TEMP			, ,	ecovers automatically after	er temperature goes do	own	
	WORKING TE		-30 ~ +85°C (Refer to "Derating Curve")					
	WORKING HI		20 ~ 90% RH non-condensing					
NVIRONMENT	STORAGE TE		-40 ~ +85°C					
	TEMP. COEF	ICIENT $\pm 0.03\%$ /°C (0 ~ 50°C)						
	VIBRATION		10 ~ 500Hz, 2G 10m	in./1cycle, 60min.	each along X, Y, Z axes			
		LTITUDE Note.6		in./1cycle, 60min.	each along X, Y, Z axes			
			4000 meters IEC60601-1, TUV BS	S EN/EN60601-1, E	EAC TP TC 004, UL ANS			
	OPERATING AI	NDARDS	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No	S EN/EN60601-1, E . 60601-1:14 - Edit	EAC TP TC 004, UL ANS ion 3 approved; Design	refer to BS EN/EN		
	OPERATING AI SAFETY STA ISOLATION F	NDARDS RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary:	S EN/EN60601-1, I . 60601-1:14 - Edit 2xMOPP, Primary	EAC TP TC 004, UL ANS ion 3 approved; Desigr -Earth:1xMOPP, Second	refer to BS EN/EN		
	OPERATING AI SAFETY STA ISOLATION F WITHSTAND	NDARDS RESISTANCE VOLTAGE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P	S EN/EN60601-1, I . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P-	EAC TP TC 004, UL ANS ion 3 approved; Desigr -Earth:1xMOPP, Second FG:1.5KVAC	n refer to BS EN/EN lary-Earth:1xMOPP		
	OPERATING AI SAFETY STA ISOLATION F WITHSTAND	NDARDS RESISTANCE VOLTAGE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P	S EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms /	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF	n refer to BS EN/EN lary-Earth:1xMOPP	60335-1 (By reques	
	OPERATING AI SAFETY STA ISOLATION F WITHSTAND	NDARDS RESISTANCE VOLTAGE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter	S EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms /	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second -FG:1.5KVAC 500VDC / 25°C / 70% Rh tandard	a refer to BS EN/EN lary-Earth:1xMOPP	60335-1 (By reques	
	OPERATING AI SAFETY STA ISOLATION F WITHSTAND	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission	B EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms /	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% Rtandard SEN/EN55011 (CISPR11)	lary-Earth:1xMOPP  Test Level Class B	60335-1 (By reques	
AFETY &	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter	B EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms / B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second -FG:1.5KVAC 500VDC / 25°C / 70% Rh tandard	lary-Earth:1xMOPP  Test Level Class B	60335-1 (By reques	
	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission	B EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms / B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% Rtandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11)	arefer to BS EN/EN lary-Earth:1xMOPP  Test Level Class B Class I : Cl	60335-1 (By reques	
MC	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2	B EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms / B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3	refer to BS EN/EN lary-Earth:1xMOPP  Test Level Class B Class I : Class A	60335-1 (By reques / Note ass B , Class II : Class A	
MC	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter	S EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms / S B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3	refer to BS EN/EN lary-Earth:1xMOPP    Test Level   Class B   Class A	/ Note ass B , Class II : Class A	
МС	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2	S EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms / S B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3	Test Level Class A  Test Level Level 4, 15K	/ Note  Vair; Level 4, 8KV contact	
МС	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter	B EN/EN60601-1, B. 60601-1, E. 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/PFG: 100M Ohms / B B B B B B B B B B B B B B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3	Test Level Class A Class A Test Level Level 4, 15K Level 3, 10V	/ Note  / air; Level 4, 8KV contact //m(80MHz~2.7GHz)	
MC	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD	B EN/EN60601-1, E . 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/P- -FG: 100M Ohms / B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% Rtandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2	Test Level Class A Class A Test Level Level 4, 15K Level 3, 10V	/ Note  // Mir; Level 4, 8KV contact  ///m(80MHz~2.7GHz)  ///w(385MHz~5.78GHz)	
MC	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD  RF field susceptibility EFT bursts Surge susceptibility	S EN/EN60601-1, E .60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/PFG: 100M Ohms /  S B B B B B B B B B B B B B B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second -FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2 SEN/EN61000-4-2 SEN/EN61000-4-3 SEN/EN61000-4-4 SEN/EN61000-4-5	Test Level	/ Note  // Line-FG; 2KV/Line-Line	
MC	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility	B EN/EN60601-1, E. 60601-1.14 - Edit 2xMOPP, Primary - FG: 2KVAC O/P-FG: 100M Ohms / B B B B B B B B B B B B B B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second -FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2 SEN/EN61000-4-2 SEN/EN61000-4-5 SEN/EN61000-4-5 SEN/EN61000-4-6	Test Level	/ Note  // Line-FG; 2KV/Line-Line	
MC	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity	B EN/EN60601-1, E. 60601-1.14 - Edit 2xMOPP, Primary - FG: 2KVAC O/P-FG: 100M Ohms / B B B B B B B B B B B B B B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second -FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2 SEN/EN61000-4-2 SEN/EN61000-4-3 SEN/EN61000-4-4 SEN/EN61000-4-5	Test Level	/ Note  // Line-FG; 2KV/Line-Line  // M	
MC	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility	B EN/EN60601-1, E. 60601-1.14 - Edit 2xMOPP, Primary - FG: 2KVAC O/P-FG: 100M Ohms / S B B B B B B B B B B B B B B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second -FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2 SEN/EN61000-4-2 SEN/EN61000-4-5 SEN/EN61000-4-5 SEN/EN61000-4-6	Test Level	/ Note  / Level 4, 8KV contact  //m( 80MHz~2.7GHz )  88V/m( 385MHz~5.78GHz )	
МС	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F	NDARDS RESISTANCE VOLTAGE RESISTANCE	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption	S EN/EN60601-1, E .60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/PFG: 100M Ohms /  S B B B B B B B B B B B B B B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2 SEN/EN61000-4-5 SEN/EN61000-4-5 SEN/EN61000-4-6 SEN/EN61000-4-8 SEN/EN61000-4-8 SEN/EN61000-4-1	Test Level	/ Note  / Note  / Note  / Solution of the state of the st	
MC ote 7)	SAFETY STA ISOLATION F WITHSTAND ISOLATION F EMC EMISS	NDARDS RESISTANCE VOLTAGE RESISTANCE SION	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption	S EN/EN60601-1, E 60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2 SEN/EN61000-4-5 SEN/EN61000-4-5 SEN/EN61000-4-6 SEN/EN61000-4-8 SEN/EN61000-4-8 SEN/EN61000-4-1	Test Level	/ Note  / Note  / Note  / Solution of the state of the st	
AFETY & EMC Note 7)	OPERATING AI SAFETY STA ISOLATION F WITHSTAND ISOLATION F EMC EMISS	NDARDS RESISTANCE VOLTAGE RESISTANCE SION	4000 meters IEC60601-1, TUV BS CAN/CSA-C22.2 No Primary-Secondary: I/P-O/P:4KVAC I/P I/P-O/P, I/P-FG, O/P Parameter Conducted emission Radiated emission Harmonic current Voltage flicker BS EN/EN60601-1-2 Parameter ESD RF field susceptibility EFT bursts Surge susceptibility Conducted susceptibility Magnetic field immunity Voltage dip, interruption 4050.3K hrs min. Te	B EN/EN60601-1, E .60601-1:14 - Edit 2xMOPP, Primary -FG:2KVAC O/PFG: 100M Ohms /  B B B B B B B B B B B B B B B B B B	EAC TP TC 004, UL ANS ion 3 approved; Design -Earth:1xMOPP, Second FG:1.5KVAC 500VDC / 25°C / 70% RF tandard SEN/EN55011 (CISPR11) SEN/EN55011 (CISPR11) SEN/EN61000-3-2 SEN/EN61000-3-3 tandard SEN/EN61000-4-2 SEN/EN61000-4-5 SEN/EN61000-4-5 SEN/EN61000-4-6 SEN/EN61000-4-8 SEN/EN61000-4-8 SEN/EN61000-4-1	Test Level	/ Note  / Note  / Note  / Solution of the state of the st	

\*\* Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx
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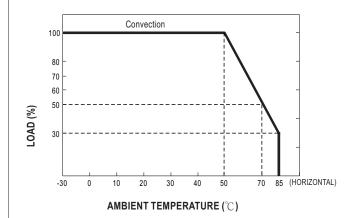


### ■ Block Diagram

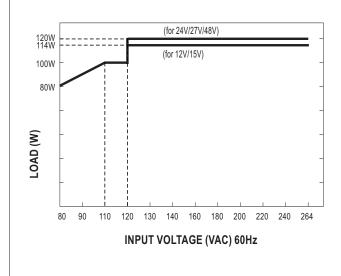
fosc: 85KHz



### ■ Derating Curve



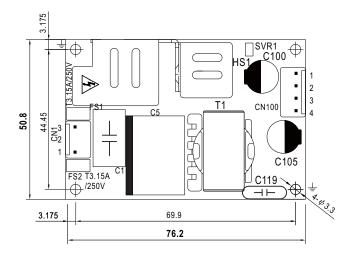
### ■ Output Derating VS Input Voltage

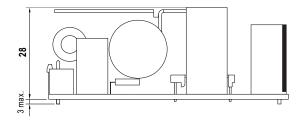




### ■ Mechanical Specification

Unit:mm





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

Pin No.	Assignment	Mating Housing	Terminal
1	AC/L	ICTVIID	10T 0\/LL 04T D4 4
2	No Pin	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
3	AC/N	o. oquivaioni	

#### DC Output Connector (CN100): JST B4P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	+V	JST VHR	JST SVH-21T-P1.1
3,4	-V	or equivalent	or equivalent

1.HS1 must have safety isolation distance with system case.

### ※Note:

- 1.RPS-120S model delivers EMI Class B for both conducted emission and radiated emission for the power supply, when configured into Class  $\ I$  (with FG) system.
- 2.RPS-120S model delivers EMI Class B conducted emission and Class A radiated emission with King Core K5B RC (12\*15\*7) in output cable for the power supply when configured into Class  $\,\mathrm{II}\,$  (no FG) system.

#### ■ Installation Manual

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