

RPS-300 series



























- 5"x3" 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
- · 200W convection,300W force air
- No load power consumption<0.5W by PS-ON control
- · Extremely low leakage current
- 5Vdc standby output, 12Vdc fan supply, Power Good, Power Fail and remote sense
- · Protections: Short circuit / Overload / Over voltage / Over temperature
- Typical Lifetime > 40K hours
- 3 years warranty

Applications

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

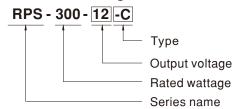
GTIN CODE

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

Description

RPS-300 is a 300W highly reliable green PCB type medical power supply with a high power density on the 5" by 3" footprint. It accepts 90~264VAC input and offers various output voltages between 12V and 48V. The working efficiency is up to 93% and the extremely low no load power consumption is down below 0.5W. The extremely low leakage current is less than 150 μ A. In addition, it conforms to international medical regulations (2*MOPP) and EMC BS EN/EN55011, perfectly fitting all kinds of BF rated "patient contact" medical system equipment. RPS-300 series also offers the enclosed style model (RPS-300-C).

Model Encoding



Туре	Description	Note
Blank	PCB Type	In stock
С	Enclosed casing Type	In stock





RPS-300 series

SPECIFICATION

DC VOLTAGE	MODEL			RPS-300-12	RPS-300-15	RPS-300-24	RPS-300-27	RPS-300-48
CURRENT Convection 0 - 16.67A 0 - 13.33A 0 - 8.33A 0 - 7.4A 0 - 4.17A		DC VOLTAGE		12V	15V	24V	27V	48V
CURRENT 20.5 CFM 0 - 25A 0 - 20A 0 - 12.5A 0 - 11.12A 0 - 6.25A		RATED CURRENT (20.5CFM)		25A	20A	12.5A	11.12A	6.25A
NOUTPUT RATED Convection 200W 200			Convection	0 ~ 16.67A	0 ~ 13.33A	0 ~ 8.33A	0 ~ 7.4A	0 ~ 4.17A
OUTPUT OUTPU		CURRENT	20.5CFM	0 ~ 25A	0 ~ 20A	0 ~ 12.5A	0 ~ 11.12A	0 ~ 6.25A
POWER 20.5CFM 300W 22.8 ~25.2 V 25.65 ~28.35V 45.6 ~50.4 V 42.0%		RATED	Convection	200W	200W	200W	200W	200.2W
RIPPLE & NOISE (max.) heat2 120mWp-p 120mWp-p 250mWp-p	CUITRUIT		20.5CFM	300W	300W	300W	300W	300W
VOLTAGE TOLERANCE 100.5 ±3.0%	OUIPUI	RIPPLE & NOISE (max.) Note.2		120mVp-p	120mVp-p	150mVp-p	200mVp-p	250mVp-p
LINE REGULATION		VOLTAGE ADJ. F	RANGE (main output)	11.4 ~ 12.6V	14.25 ~ 15.75V	22.8 ~ 25.2V	25.65 ~ 28.35V	45.6 ~ 50.4V
LOAD REGULATION ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0% ±1.0%		VOLTAGE TO	DLERANCE Note.3	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
SETUP, RISE TIME 2500ms, 30ms/230VAC 3000ms, 30ms/115VAC at full load		LINE REG	ULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
SETUP, RISE TIME		LOAD REC	GULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
VOLTAGE RANGE Note 4 90 ~ 264VAC 127 ~ 370VDC		SETUP, RI	SE TIME	2500ms, 30ms/230	VAC 3000ms,	30ms/115VAC at full	load	'
FREQUENCY RANGE		HOLD UP	TIME (Typ.)	13ms/230VAC/115V	/AC at full load			
POWER FACTOR (Typ.) PF>0.93/230VAC PF>0.98/115VAC at full load		VOLTAGE RANGE Note.4						
REFFICIENCY (Typ.) 90% 90% 92.5% 93% 93% 93%		FREQUENCY RANGE						
AC CURRENT (Typ.) INRUSH CURRENT (Typ.) INRUSH CURRENT (Typ.) COLD START 35A/115VAC 70A/230VAC PCB Type: Earth leakage current <150 µA / 264VAC, Touch current <70 µA/264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA/264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA/264VAC OVERLOAD OVER VOLTAGE OVER VOLTAGE Protection type: Hiccup mode, recovers automatically after fault condition is removed Protection type: (TSW1)Shut down o/p voltage, re-power on to recover Protection type: (TSW2)Shut down o/p voltage, re-power on to recover Protection type: (TSW2)Shut down o/p voltage, re-power on to recover SV STANDBY SVS 5V@0.6A without fan, 1A with fan 20.5CFM; tolerance ± 2%, ripple: 150mVp-p(max.) FAN SUPPLY 12V@0.5A for driving a fan; Tolerance -15% ~ +10% at main output 20% rated current (20.5CFM) POWER GOOD / POWER FAIL POWER GOOD / POWER FAIL WORKING TEMP. -30 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP, HUMIDITY VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		POWER FACTOR (Typ.)		PF>0.93/230VAC PF>0.98/115VAC at full load				
INRUSH CURRENT (Typ.) COLD START 35A/115VAC 70A/230VAC Cold Start 35A/115VAC 70A/230VAC	INPUT	EFFICIENCY (Typ.)		90%	90%	92.5%	93%	93%
PCB Type: Earth leakage current <150 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC POVERLOAD OVER VOLTAGE OVER TEMPERATURE FUNCTION PS-ON INPUT SIGNAL POWER GOOD / POWER FAIL WORKING TEMP. WORKING TEMP. WORKING HUMIDITY POWER FAIL WORKING HUMIDITY ENVIRONMENT TEMP. COEFFICIENT VIBRATION PCB Type: Earth leakage current <150 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <150 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <70 µA /264VAC Enclosed Type: Earth leakage current <200 µA / 264VAC, Touch current <200 µA /264VAC, Touch current <200 µA /264VAC Enclosed Type: Hicker 18.000 µA /264VAC Enclosed Protection type: Earth Bold with all condition is removed poor of		AC CURRENT (Typ.)		3.5A/115VAC 1.8A/230VAC				
Enclosed Type: Earth leakage current <200 \(\alpha A \) 264VAC, Touch current <70 \(\alpha A \) 264VAC OVERLOAD OVER VOLTAGE OVER TEMPERATURE OVER TEMPERATURE 5V STANDBY FUNCTION POWER GOOD / POWER FAIL WORKING TEMP. WORKING TEMP. ##WIRDNIEST OVER GOOD / POWER FAIL WORKING TEMP. ##WIRDNIEST ENVIRONMENT ENVIRONMENT ENVIRONMENT ENVIRONMENT LEAKAGE CURRENT(max.) Notes a conclusion of the		INRUSH CU	IRRENT (Typ.)	COLD START 35A/115VAC 70A/230VAC				
OVERLOAD 105 ~ 135% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed 13.5 ~ 15V 16.2 ~ 18.5V 26 ~ 30V 29.5 ~ 33.5V 52 ~ 59.5V Protection type: Shut down o/p voltage, re-power on to recover Protection type: (TSW1)Shut down o/p voltage, re-power on to recover Protection type: (TSW2)Shut down o/p voltage, re-power on to recover FUNCTION FUNCTION PS-ON INPUT SIGNAL Power on: PS-ON = "Hi" or " > 2 ~ 5V"; Power off: PS-ON = "Low" or " < 0 ~ 0.5V" POWER GOOD / POWER FAIL TTL signal goes low at least 1ms before Vo below 90% of rated value WORKING TEMP30 ~ +70 °C (Refer to "Derating Curve") WORKING HUMIDITY 20 ~ 90% RH non-condensing TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50 °C) VIBRATION 10.5 ** 15V ** 10 * 10 * 10 * 10 * 10 * 10 * 10 *		LEAKAGE CURRENT(max.) Note.5						
Protection type: Hiccup mode, recovers automatically after fault condition is removed 13.5 ~ 15V				Enclosed Type: Earth leakage current < 200 µA / 264 VAC, Touch current < 70 µA / 264 VAC				
PROTECTION OVER VOLTAGE 13.5 ~ 15V	OVERLOAD							
Protection type: Shut down o/p voltage, re-power on to recover Protection type: (TSW1)Shut down o/p voltage, recovers automatically after temperature goes down Protection type: (TSW2)Shut down o/p voltage, re-power on to recover 5V STANDBY 5Vsb: 5V@0.6A without fan, 1A with fan 20.5CFM; tolerance ± 2%, ripple: 150mVp-p(max.) FAN SUPPLY 12V@0.5A for driving a fan; Tolerance -15% ~ +10% at main output 20% rated current (20.5CFM) PS-ON INPUT SIGNAL Power on: PS-ON = "Hi" or " > 2 ~ 5V"; Power off: PS-ON = "Low" or " < 0 ~ 0.5V" POWER GOOD / POWER FAIL The TTL signal goes high with 10ms to 500ms delay after power set up; The TTL signal goes low at least 1ms before Vo below 90% of rated value WORKING TEMP30 ~ +70°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 ~ 50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
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Protection type: (TSW2)Shut down o/p voltage, re-power on to recover 5V STANDBY 5Vsb: 5V@0.6A without fan, 1A with fan 20.5CFM; tolerance ± 2%, ripple: 150mVp-p(max.) FAN SUPPLY 12V@0.5A for driving a fan; Tolerance -15% ~ +10% at main output 20% rated current (20.5CFM) PS-ON INPUT SIGNAL POWER GOOD / POWER FAIL WORKING TEMP. WORKING HUMIDITY 500ms>PG>10ms; The TTL signal goes high with 10ms to 500ms delay after power set up; The TTL signal goes low at least 1ms before Vo below 90% of rated value WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY -40 ~ +85°C , 10 ~ 95% RH non-condensing TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	PROTECTION							
5V STANDBY 5Vsb:5V@0.6A without fan, 1A with fan 20.5CFM; tolerance ± 2%, ripple:150mVp-p(max.) FAN SUPPLY 12V@0.5A for driving a fan; Tolerance -15% ~ +10% at main output 20% rated current (20.5CFM) PS-ON INPUT SIGNAL POWER GOOD / POWER GOOD / POWER FAIL WORKING TEMP. 40 ~ +70°C (Refer to "Derating Curve") WORKING HUMIDITY 500ms>PG>0 RH non-condensing STORAGE TEMP., HUMIDITY -40 ~ +85°C , 10 ~ 95% RH non-condensing TEMP. COEFFICIENT 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		OVER TEN	IPERATURE					
FAN SUPPLY 12V@0.5A for driving a fan; Tolerance -15% ~ +10% at main output 20% rated current (20.5CFM) PS-ON INPUT SIGNAL POWER GOOD / POWER FAIL WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION 12V@0.5A for driving a fan; Tolerance -15% ~ +10% at main output 20% rated current (20.5CFM) Power on: PS-ON = "Hi" or " > 2 ~ 5V"; Power off: PS-ON = "Low" or " < 0 ~ 0.5V" 500ms>PG>10ms; The TTL signal goes high with 10ms to 500ms delay after power set up; The TTL signal goes low at least 1ms before Vo below 90% of rated value WORKING TEMP. -30 ~ +70°C (Refer to "Derating Curve") 20 ~ 90% RH non-condensing TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
FUNCTION PS-ON INPUT SIGNAL POWER GOOD / POWER FAIL WORKING TEMP. STORAGE TEMP., HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION Power on: PS-ON = "Hi" or " > 2 ~ 5V"; Power off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower off: PS-ON = "Low" or " < 0 ~ 0.5V" Fower of								
POWER GOOD / POWER FAIL WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION 500ms>PG>10ms; The TTL signal goes high with 10ms to 500ms delay after power set up; The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value "The TTL signal goes low at least 1ms before Vo below 90% of rated value								
POWER FAIL The TTL signal goes low at least 1ms before Vo below 90% of rated value WORKING TEMP. -30 ~ +70 °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 ~ 50 °C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	FUNCTION	PS-ON INF	PUT SIGNAL					
WORKING HUMIDITY 20 ~ 90% RH non-condensing STORAGE TEMP., HUMIDITY $-40 \sim +85^{\circ}$ C, $10 \sim 95\%$ RH non-condensing TEMP. COEFFICIENT $\pm 0.03\%$ /°C (0 ~ 50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		TOWERCOOD			wer set up ;			
STORAGE TEMP., HUMIDITY $-40 \sim +85 ^{\circ}$ C, $10 \sim 95 ^{\circ}$ RH non-condensing TEMP. COEFFICIENT $\pm 0.03 ^{\circ}$ C ($0 \sim 50 ^{\circ}$ C) VIBRATION $\pm 0.03 ^{\circ}$ C 10 $\pm 0.03 ^{\circ}$ C 0 $\pm 0.03 ^{\circ}$ C 10 min./1 cycle, 60 min. each along X, Y, Z axes				-30 ~ +70°C (Refer to "Derating Curve")				
STORAGE TEMP., HUMIDITY -40 ~ +85°C , 10 ~ 95% RH non-condensing TEMP. COEFFICIENT ±0.03%/°C (0 ~ 50°C) VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes								
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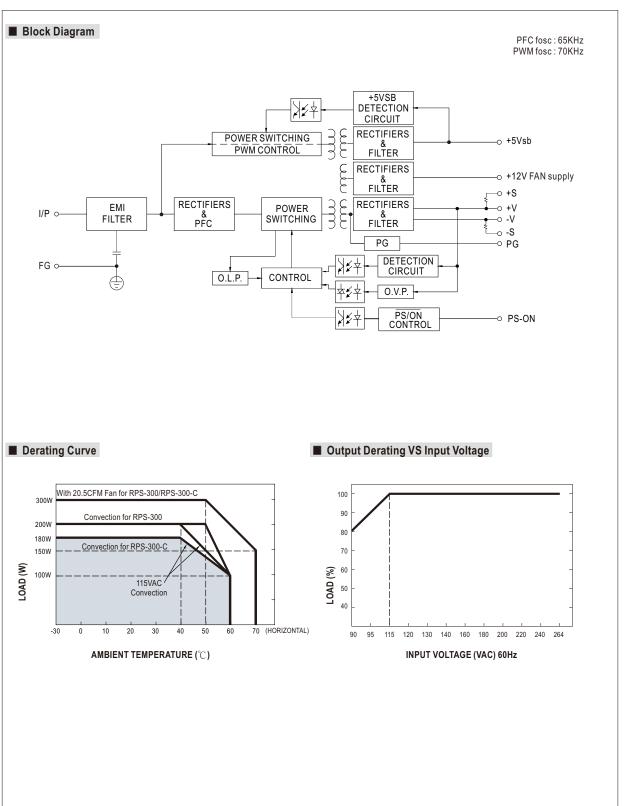
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	SAFETY STANDARDS	IEC60601-1, TUV BS EN/EN60601-1, EAC TP TC 004, UL ANSI / AAMI ES60601-1 (3.1 version), CAN/CSA-C22.2 No. 60601-1:14 - Edition 3 approved; Design refer to BS EN/EN60335-1				
	ISOLATION LEVEL	Primary-Secondary: 2xMOPP, Primary-Earth:1xMOPP, 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°C / 70% RH				
		Parameter	Standard	Test Level / Note		
		Conducted emission	BS EN/EN55011 (CISPR11)	Class B		
	EMC EMISSION	Radiated emission	BS EN/EN55011 (CISPR11)	Class B		
		Harmonic current	BS EN/EN61000-3-2	Class A		
SAFETY &		Voltage flicker	BS EN/EN61000-3-3			
EMC (Note 7)		BS EN/EN60601-1-2				
(**************************************		Parameter	Standard	Test Level / Note		
		ESD	BS EN/EN61000-4-2	Level 4, 15KV air ; Level 4, 8KV contact		
	EMC IMMUNITY	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/EN61000-4-4	Level 3, 2KV		
		Surge susceptibility	BS EN/EN61000-4-5	Level 4, 4KV/Line-FG; 2KV/Line-Line		
		Conducted susceptibility	BS EN/EN61000-4-6	Level 3, 10V		
		Magnetic field immunity	BS EN/EN61000-4-8	Level 4, 30A/m		
		Voltage dip, interruption	BS EN/EN61000-4-11	100% dip 1 periods, 30% dip 25 periods, 100% interruptions 250 periods		
		PCB type: 2853.1K hrs min. Tel	cordia SR-332 (Bellcore) ; 160.0K l	hrs min. MIL-HDBK-217F (25°C)		
	MTBF	Enclosed type: 1487.9K hrs min. Telcordia SR-332 (Bellcore) ; 163.8K hrs min. MIL-HDBK-217F (25°C)				
OTHERS	DIMENSION (L*W*H)	PCB type:127*76.2*35mm or 5"*3"*1.37"inch				
	Dimension (E W 11)	Enclosed type:130*86*43mm or 5.11"*3.39"*1.69"inch				
	PACKING	PCB type:0.37Kg; 36pcs/14.3Kg/				
		Enclosed type:0.563Kg; 24pcs/14.5Kg/0.77CUFT				
NOTE	2. Ripple & noise are me 3. Tolerance: includes se 4. Derating may be need 5. Touch current was me 6. The ambient temperati than 2000m(6500ft). 7. The power supply is co executed by mounting still meets EMC directi (as available on http://	pecially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature. easured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor. et up tolerance, line regulation and load regulation. ded under low input voltages. Please check the derating curve for more details. easured from primary input to DC output. ture derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher considered a component which will be installed into a final equipment. All the Class I (with FG) EMC tests are the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it ives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (www.meanwell.com) aimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx				





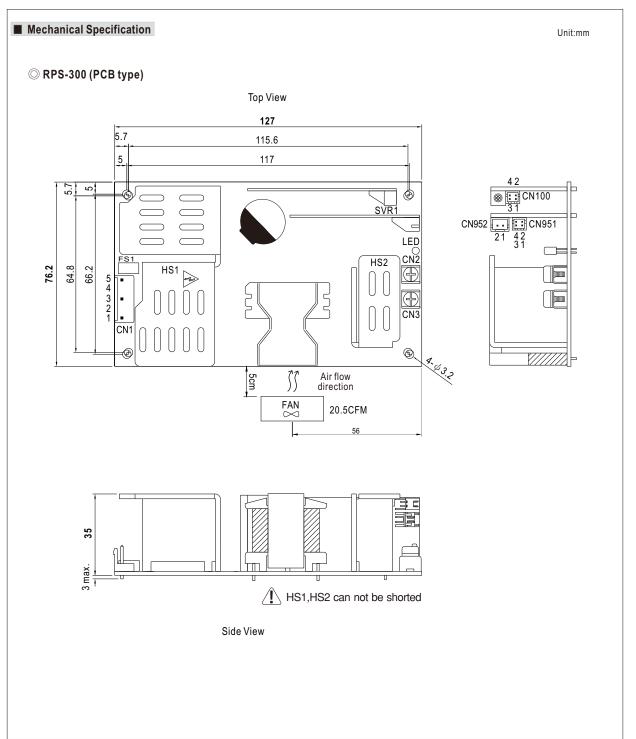
RPS-300 series







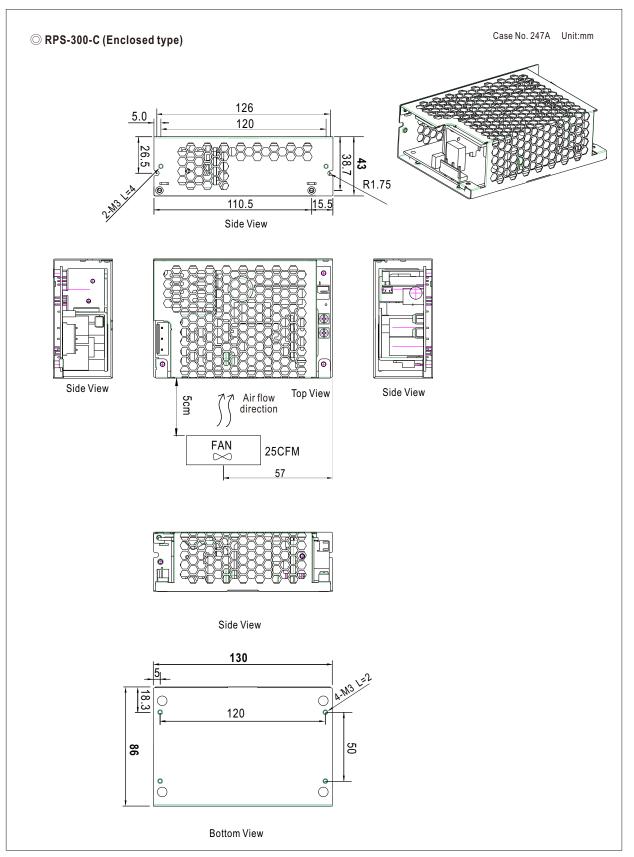
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AC Input Connector (CN1): JST B5P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	FG ±		
2,4	No Pin	JST VHR	JST SVH-21T-P1.1
3	AC/L	or equivalent	or equivalent
5	AC/N		

Function Connector(CN100):HRS DF11-4DP-2DS or equivalent

Pin No.	Status	Mating Housing	Terminal
1	-S		
2	+S	HRS DF11-4DS	HRS DF11-**SC
3	DC COM	or equivalent	or equivalent
4	PG		

DC Output Connector (CN2,CN3)

Pin No.	Assignment	Output Terminals
CN2	-V	M3.5 Pan HD screw in 2 positions
CN3 +V		Torque to 8 lbs-in(90cNm)max.

1.HS1,HS2 cannot be shorted.

Function Connector(CN951):HRS DF11-4DP-2DS or equivalent

Pin No.	Status	Mating Housing	Terminal
1	5VSB	UD0 D544 4D0	11D0 D544 ##00
2,4	DC COM	HRS DF11-4DS or equivalent	HRS DF11-**SC or equivalent
3	PS-ON	or equivalent	or equivalent

FAN Connector(CN952): JST S2B-XH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	DC COM	JST XHP	JST SXH-001T-P0.6
2	+12V	or equivalent	or equivalent

- ™Note: 1. The FAN supply is designed to serve as the source of the additive external fan for the cooling of the power supply, enabling the full load delivery and assuring the best life span of the product. Please do not use this FAN supply to drive other devices.
 - 2.The PCB type (Blank type) model delivers EMI Class B for both conducted emission and radiated emission for power supply, when configured into either Class I (with FG).
 - 3.The enclosed type(-C type) model is not suitable for configuration within a Class II (no FG) system but suggested within a Class I (with FG) system.

■ Installation Manual

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





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