

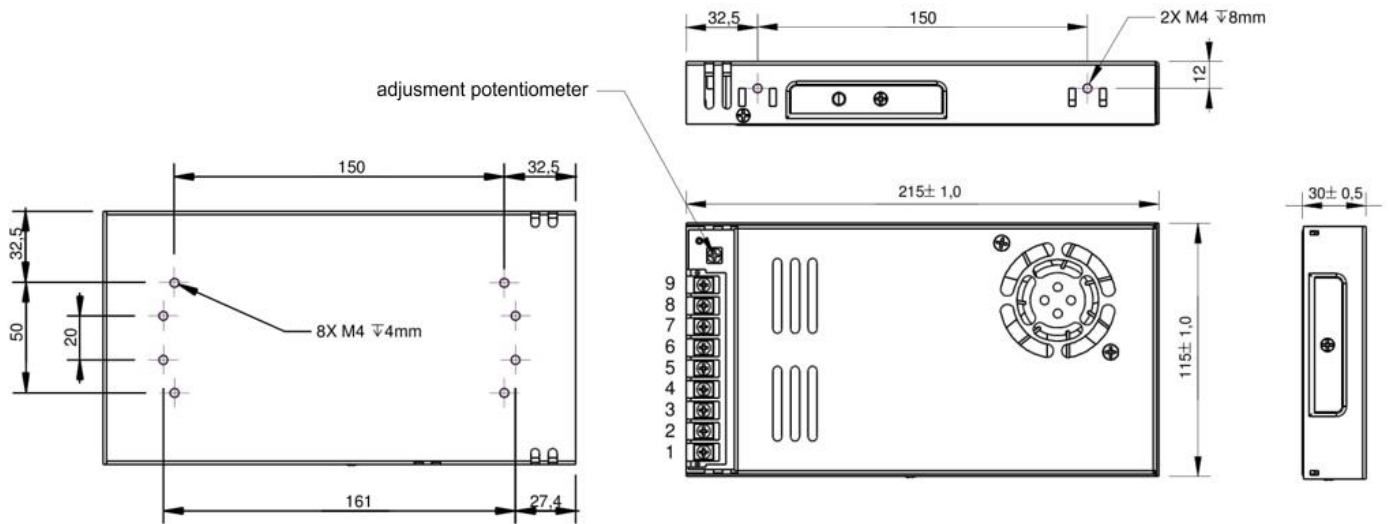
Switch-Mode Power Supply 250W(Constant voltage)- SNT-G0250.24

- Constant Voltage Design
- Input 100-120 VAC & 200-240 VAC
- Protections: short circuit/ over load/ over voltage/ over temperature
- Green LED indicator for power on
- Forced air cooling by built-in DC FAN
- 100% full load burn-in test
- Class I, built-in



Input	Rated input voltage	100-120VAC& 200-240VAC	
	Range of input voltage	90-132VAC& 180-264VAC (Refer to "output load derating curve")	
	Frequency(Hz)	47-63 Hz	
	Power Factor	≥0.45 @Full load, 240VAC	
	Input Current	5.2A/115VAC 2.5A/230VAC	
	Unload Power Consumption	≤6W	
	Inrush Current	COLD START≤60A MAX. @full load AC 230V (after 1mS)	
	Leakage Current	<0.75mA(240VAC)	
Output	Rated Voltage	24V DC	
	Voltage ADJ. Range	20.4-27.6V	
	Current range	10.5A Max.	
	Rated load	252W Max.	
	Voltage Accuracy	±1% @100-120VAC&200-240VAC	
	Voltage Regulation	±0.5% @ full load	
	Load Regulation	±0.5%	
	Setup, raise time	1300ms, 50ms/230VAC 1300ms,50ms/115VAC @ full load	
	Hold-up Time	≥16ms/230VAC , ≥12ms/115VAC @ full load	
	Ripple & Noise Note.2	<150mVp-p	
	Efficiency(Typ.)	≥89% @ full load, 230VAC	
Protection	Over Load Protection	110-150% rated output power	
		Protection type: Auto recovery	
	Over Voltage Protection	28.8 ~ 33.6V	
		Protection type: Auto recovery	
Short circuit Protection	Protection type: Auto recovery		
Over temperature Protection	Protection type: Auto recovery		
Environment	Operating Temperature	-30℃...+70℃(Refer to "Derating Curve")	
	Cooling condition	Forced air cooling by built-in DC FAN	
	Storage Temp. Humidity	-40 ~ +85℃, 10 ~ 95% RH	
	Temperature coefficient	±0.03%/℃(0-50℃)	
	Working Humidity	20-95% RH, no condensation	
	Vibration	10-500Hz,5G 10min./1cycle,60min.each along X,Y,Z axes	
Safety & EMC	Safety standards	UL60950-1	
	withstand voltage	I/P-O/P:3.0KVAC; I/P-FG:1.5KVAC; O/P-FG:0.5KVAC	
	Isolation resistance	≥100M Ohms / 500VDC / 25℃/ 70% RH	
	EMI	EN55022 (CIPSR22) class B, GB9254 Class B, EN55014,	
	EMS	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A	
Others	MTBF	≥600K hrs min. MIL-HDBK-217F (25℃)	
	Dimension (L*W*H)	215*115*30mm	
	weight	0.79Kg/pc	
	packaging	21PCS/BOX	
Note	1. All parameters NOT specially mentioned are measured at 240VAC input, max rated load and 25℃ of ambient temperature 2. Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor.		

MECHANICAL SPECIFICATIONS



PIN	Assignment
1	AC/L
2	AC/N
3	GND
4-6	DC Output -V
7-9	DC Output +V

DERATING

