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**Specification sheet for Switch Mode Power Supply, SMPS DIN-50W, 24VDC/2A**

**HIGHLIGHTS**

- Standard/Din Rail Mounting Dual
- No-load Consumption is lower than 0.3W
- Comply with High Efficiency Power 80Plus Criterion
- Output Voltage Monitor Display ( Optional )
- Convection cooled high reliability
- 1 years warranty
- DIMENSIONS:102(H)\*75.5(D)\*45(W)mm
- WEIGHTS: 81g



**GENERAL SPECIFICATIONS**

INPUT		OUTPUT	
Input range	90 to 264VAC	Hold-up time	13ms
	127 to 380VDC	Short protection	Auto Recovery
Input frequency	47 to 63Hz	Over load protection	Automatic power limited
Inrush current (25°C)	20A/110VAC		
	40A/220VAC		

**MODEL SELECTION**

MODEL	O/P Volt Adj. ± %	Load (Current)			Ripple & Noise	Line REG	Load REG	Efficiency	O.V.P
		Min.	Rated	Max.					
S1040D-05S LP	V : +5V ±10%	0A	8.0A	8.0A	50mV	±1%	±1%	78%	7.13 ~ 7.88v
S1050D-12S LP	V : +12V ±10%	0A	4.2A	4.2A	120mV	±1%	±1%	86%	17.1 ~ 18.9V
S1050D-24S LP	V : +24V ±10%	0A	2.1A	2.1A	240mV	±1%	±1%	85%	31.4 ~ 34.7V

CE Standards	Safety Standards	Environments	
EN 55022 CLASS A, EN 61000-3-3, (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11)	UL 508 CE	Operating Temperature Operating Humidity  Storage Temperature Vibration	-15 to 50 deg C, Ambient 20 to 90% RH, Non Condensing -20 to 85deg C, Ambient 2G, 10 to 500Hz, 3 axis

**NOTES**

- Line regulation is measured from low line to high line at rated load
- Load regulation is measured from 20% to 100% of rated load at 220VAC input
- Ripple & Noise are measured with 20MHz oscilloscope at 220VAC by using a 20cm long 12" twisted pair-wire with a 0.1uF/630V metal capacitor & a 47uF electrolytic capacitor parallel on the test point
- Efficiency is measured at rated load and 220VAC input
- Hold-up time is measured at rated load and 220VAC input
- For Output voltage monitor display models : No-load power consumption of 1.5W. and no Energy Conservation Power ERP Regulation.
- Output Voltage Adjustable is measured on 5% of rated load.

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#### **Order Codification**

**Order Model** : **SMPS DIN-50W T/P B V/F**

Base Model : SMPS DIN 50W

T/P : T : Terminal Block. P : PCB mounted. Default PCB Mount

B : Display

V/F : Display Value : V-Output Voltage. F-Frequency. Default Voltage display