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#### Document Name : Specification sheet for Switch Mode Power Supply, SMPS DIN-25W, 24V/1A



- Din Rail / Screw Mounting
- Convection cooled
- Wide input range
- 100% full load burn-in test
- MOSFET designed
- 350,000Hrs MTBF per MIL-HDBK-217F
- 2-year warranty
- Output modify range: 3V~200VDC ( Optional model )
- Split rail & Series connection possible
- Dimensions :102(H)x35(D)x45(W)mm
- Weight :120g

#### General specifications

##### INPUT

Input range : 90~264VAC  
 : 110~380VDC  
 Input frequency : 47~63Hz  
 Inrush current (25° C) : 40A/220V AC  
 : 20A / 110V AC

##### OUTPUT

Hold-up time : 16mS  
 Overload protection : Automatic power limited  
 Short protection : Autorecovery  
 Over voltage protection : Optional  
 Screw Type terminal

MODEL	Output Voltage	Load (Current) Min Rated Max	Ripple & Noise	Line REG.	Load REG	Efficiency	O.V.P. Trip point
24DC,1A	V1: +24V ±10%	0A 1A 1A	240mVp-p	±1%	±1%	88% Min	31.4 ~ 34.7V

#### EMC Standards

EN55022 CLASS A  
 EN 61000-3-3 ,  
 IEC 61000-4-2  
 IEC 61000-4-3 ,IEC 61000-4-4  
 IEC 61000-4-5 ,IEC 61000-4-6  
 IEC 61000-4-8 ,IEC 61000-4-11

#### SAFETY Standards

UL 508  
 CE Marking

#### Operating Conditions

Operating Temperature : -15 to 50°C  
 Operating Humidity : 5 to 95% RH, Non Condensing  
 Storage Temperature : -20 to 85°C  
 Vibration : 2G, 10~500Hz, 3 axes

#### NOTE:

- Each output can provide up to maximum load, but total load can not exceed rated output power.
- 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 110VAC input.
- Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
- Efficiency is measured at rated load and 110VAC input.
- Hold-up time is measured at rated load and 110VAC input.

#### Ordering Code

SMPS DIN-25W