



35W DC/DC Single output power supply

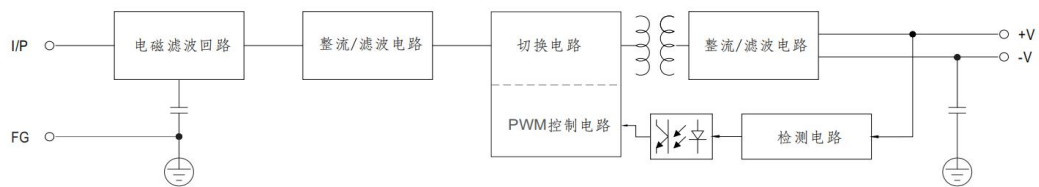
SD Series

- High efficiency, long service life and high reliability
- output protection function: Over current/short circuit
- ultra wide operating temperature range-30℃~70℃
- long service life electrolytic capacitor
- 100% full load ageing test
- no fan, quiet
- 3 years

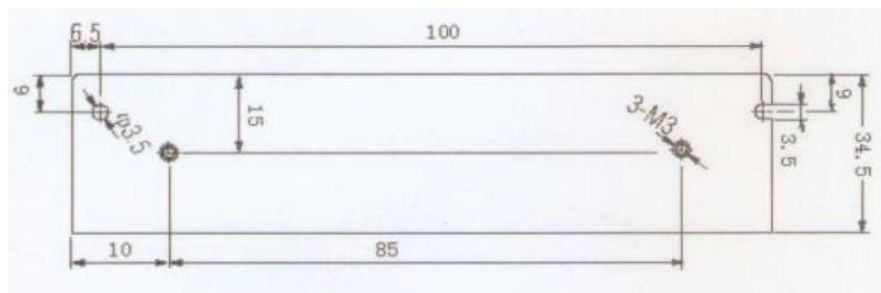
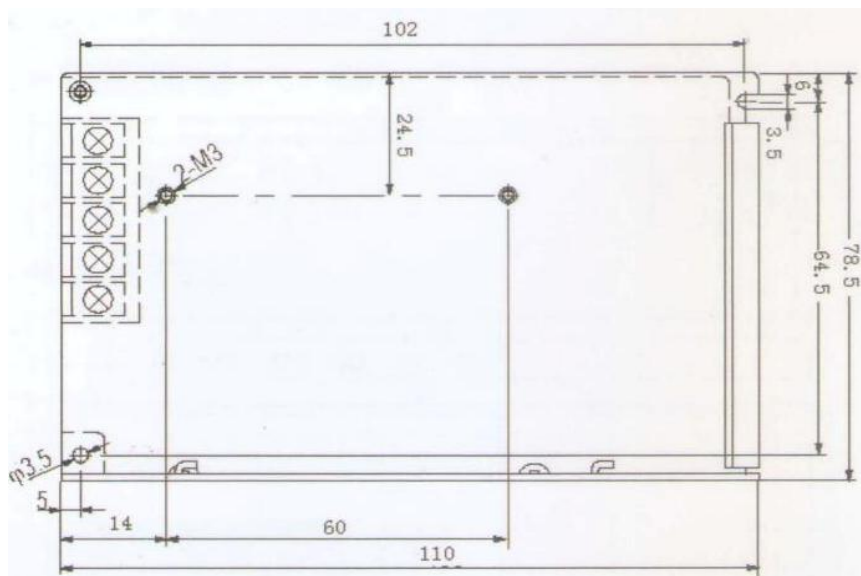


MODEL		SD-35A-5	SD-35B-5	SD-35C-5	SD-35A-12	SD-35B-12	SD-35C-12	SD-35A-24	SD-35B-24	SD-35C-24
OUTPUT	DC Output	5V			12V			24V		
	Rated Current	7A			3A			1.5A		
	CurrentRange	0~7A			0~3A			0~1.5A		
	Ripple and Noise	100mV			120mV			150mV		
	Voltage ADJ. Range	±10% of rated output voltage								
	Voltage Accuracy	±2.0%			±1.0%			±1.0%		
	Line Regulation	±0.5%			±0.3%			±0.2%		
	Load Regulation	±0.5%			±0.3%			±0.2%		
	Set-up Time	< 3S								
	Hold up Time	< 50ms								
INPUT	VoltageRange	A:10 ~ 18VDC B:20 ~ 36VDC C:36 ~ 72VDC								
	FrequencyRange	47Hz~63Hz								
	Efficiency	71%	72%	74%	72%	75%	78%	75%	78%	81%
PROTECT ION	Over Load	105%~150% of rated output current, hiccup mode, auto recovery								
	Over power	120%~135% of rated output current, hiccup mode, auto recovery								
	Short Circuit	Long-term mode, auto recovery								
ENVIRO NMENT	Operating amb. Temp. & Hum.	-10℃~60℃; 20%~90%RH								
	Storage Temp. & Hum.	-40℃~85℃; 10%~95%RH								
SAFETY& EMC	Safety Standards	Reference LVD design,TUV EN62368-1								
	Withstand Voltage	I/P-O/P:1.5KVAC I/P-FG:2.0KVAC O/P-FG:0.5KVAC								
OTHERS	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25℃, Full load)								
	Dimension (L*W*H)	110*78*35mm								
	Packing	300g/PCS								
	Cooling method	Cooling by free air convection								
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25℃ of ambient temperature.									

Block diagram of internal mechanism



Dimensional drawing of mechanism:



Declining curve:

