



80W D Double 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-10°C~60°C
- long service life electrolytic capacitor
- 100% full load ageing test
- no fan, quiet
- 3 years



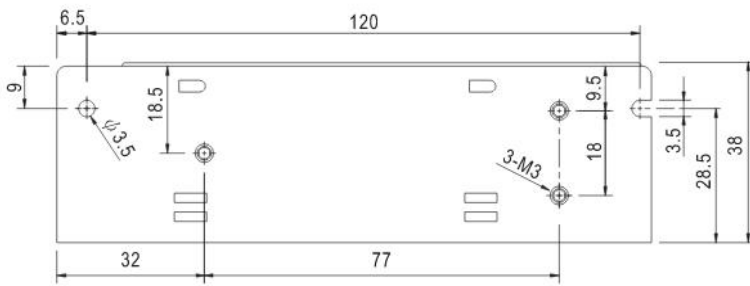
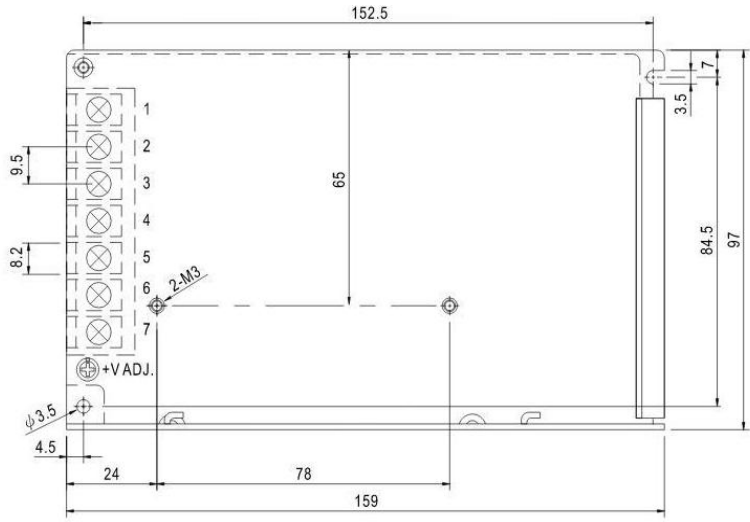
MODEL		SD-80DB-A		SD-80DB-B		SD-80DC-A		SD-80DC-B	
OUTPUT	DC Output	5V	12V	5V	24V	5V	12V	5V	24V
	Rated Current	8A	3A	8A	1.5A	8A	3A	8A	1.5A
	Current Range	0~8A	0~3A	0~8A	0~1.5A	0~8A	0~3A	0~8A	0~1.5A
	Ripple and Noise	100mV		120mV		150mV		150mV	
	Voltage ADJ. Range	±10% of rated output voltage							
	Voltage Accuracy	±2.0%	±1.0%	±2.0%	±1.0%	±2.0%	±1.0%	±2.0%	±1.0%
	Line Regulation	±0.5%	±0.3%	±0.5%	±0.3%	±0.5%	±0.3%	±0.5%	±0.3%
	Load Regulation	±0.5%	±0.3%	±0.5%	±0.3%	±0.5%	±0.3%	±0.5%	±0.3%
	Set-up Time	< 1S							
	Hold up Time	< 50ms							
INPUT	Voltage Range	B:20 ~ 36VDC C:36 ~ 72VDC							
	Frequency Range	47Hz~63Hz							
	Efficiency	70%		72%		72%		73%	
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°C~60°C; 20%~90%RH							
	Storage Temp. & Hum.	-40°C~85°C; 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°C, Full load)							
	Dimension (L*W*H)	159*98*38mm							
	Packing	600g/PCS							
	Cooling method	Cooling by free air convection							
NOTE	1. All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.								

Block diagram of internal mechanism





Dimensional drawing of mechanism:



Declining curve:

