

# Model : SPS12083

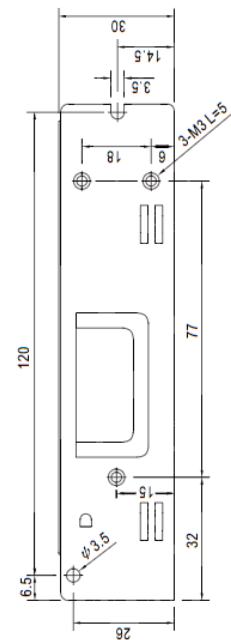
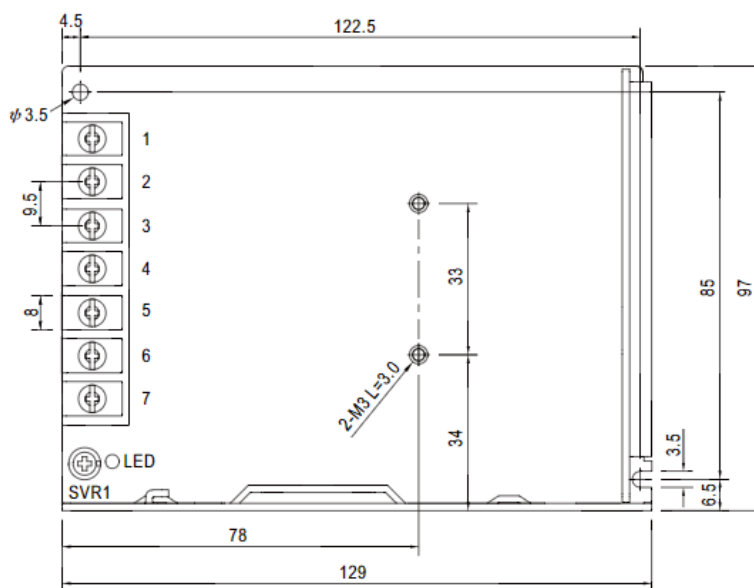
## Mean Well 12V 100W Switching Power Supply



### Key Features

- ▶ Universal AC input/Full range
- ▶ Withstand 300VAC surge input for 5 second
- ▶ Protections : Short circuit/Overload/Over voltage
- ▶ Cooling by free air convection
- ▶ Miniature size and 1U low profile
- ▶ Compliance to IEC/EN 60335-1 (PD3) and IEC/EN61558-1, 2-16 for household appliances
- ▶ Withstand 5G vibration test
- ▶ LED indicator for power on
- ▶ No load power consumption <0.3W
- ▶ 100% full load burn-in test
- ▶ High operating temperature up to 70°C
- ▶ High efficiency, long life and high reliability

### Product Structure



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### Technical Specification

Output	DC Voltage	12V
	Rated Current	8.5A
	Current Range	0 ~8.5A
	Rated Power	102W
	Voltage Adj. Range	10.2 ~ 13.8V
	Setup, Rise Time	500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load
	Hold Up Time	55ms/230VAC 10ms/115VAC at full load
Input	Voltage Range	85~264VAC 120~373VDC (Withstand 300VAC Surge for 5sec, Without damage)
	Frequency Range	47 ~63 Hz
	Efficiency (Typ.)	88 %
	AC Current (Typ.)	1.9A / 115VAC 1.2A / 230VAC
	Inrush Current (Typ.)	COLD START 50A/230VAC
	Leakage Current	< 0.75mA/240VAC
Protection	Over Load	110 ~150 % rated output power Protection Type: Hiccup mode, recovers automatically after fault condition is removed
	Over Voltage	13.8~16.2V Protection Type: Shut down output voltage, re-power on to recover
Environment	Working Temp.	-30~~+70 °C
	Working Humidity	20~90% RH non-condensing
	Storage Temp, Storage Humidity	-40~~+85 °C, 10~95% RH
	Temp. Coefficient	±0.03%/°C (0~50 °C)
	Vibration	10~500Hz, 5G 10min/1cycle, period for 60min. Each along X,Y,Z axes
Others	MTBF	720.6K hrs min MIL-HDBK-217F (25 °C)
	Dimension (LxWxH)	129 x 97 x 30
	Weight (Kg)	0.34Kg

