



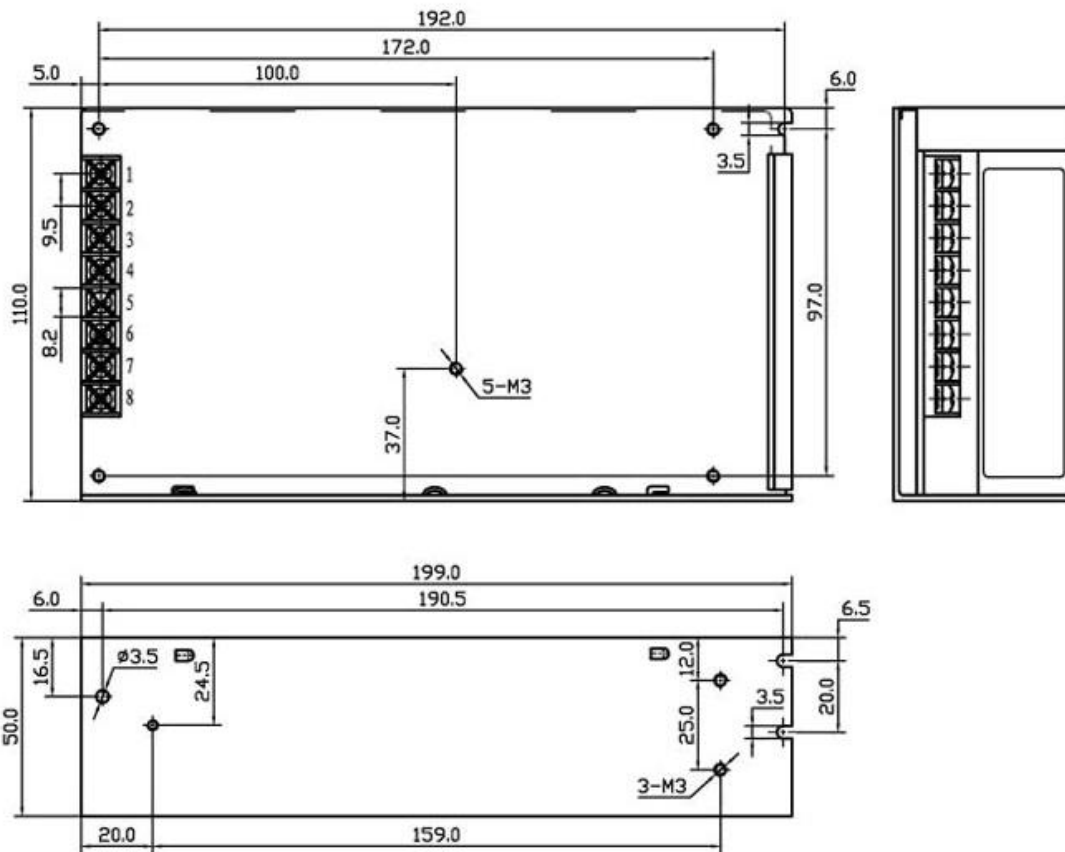
Features:

- High efficiency, high reliability
- AC input range selected by switch
- Two output channels
- 100% full load burn-in test
- Protections: Short circuit/ Over load/ Over voltage
- Cooling by free air convection
- Fixed switching frequency at 28KHz

Specification

Model	LY120-PSD5-12		LY120-PSD5-24		LY120-PSD12-24		LY120-PSD15-N15		LY120-PSD12-N12		LY120-PSD24-N24		
OUTPUT	Output Number	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
	Dc Voltage	5V	12V	5V	24V	12V	24V	15V	-15V	12V	-12V	24V	-24V
	Rated Current	12A	5A	6A	4A	5A	3A	4A	4A	5A	5A	2.5A	2.5A
	Current Range	2 – 12A	0.5 – 5A	2 – 6A	0.4 – 4A	2 – 5A	0.4 – 3A	2 – 4A	0.4 – 4A	2 – 5A	0.5 – 5A	1.5 – 3A	0.4 – 3A
	Ripple + Noise Max ²	60mV _{pp}	120mV _{pp}	60mV _{pp}	150mV _{pp}	60mV _{pp}	150mV _{pp}	60mV _{pp}	150mV _{pp}	60mV _{pp}	120mV _{pp}	75mV _{pp}	150mV _{pp}
	Voltage Adj. Range	-5% +10%		-5% +10%		-5% +10%		-5% - +10%		-5% - +10%		-5% - +10%	
	Voltage Tolerance ³	±2%	±6%	±2%	±7%	±2%	±7%	±2%	±7%	±2%	±7%	±2%	±7%
	Rated Power	120W		126W		132W		120W		120W		120W	
	Setup – Rise Time	200ms, 50ms at full load											
	Hold Up Time (Typ.)	20ms at full load											
INPUT	Voltage Range ⁵	88~132VAC / 176~264VAC selected by switch, 248~370VDC											
	Frequency Factor	47-63Hz											
	Efficiency (Typ.)	78%		80%		80%		80%		80%		80%	
	AC Current (Typ.)	2.5A/115VAC		1.25A/230VAC									
	Inrush Current	COLD START 35A/115V, 30A/230VAC											
	Leakage Current	<3.5mA / 240VAC											
PROTECTION	Overload	105-135% rated output power Protection type: Shut down o/p voltage, re-power on to recover											
	Over Voltage	115-135% Protection type: Shut down o/p voltage, re-power on to recover											
ENVIRONMENT	Working Temp.	-10 - +60°C (refer to output load derating curve)											
	Working Humidity	20-90% RH non-condensing											
	Storage Temp. Humidity	-20 - +85°C 10-95% RH											
	Temp. Coefficient	±0.03% / °C (0-50°C)											
	Vibration	10-500Hz, 2G 10 min./1 cycle, 60 min. each along X, Y, Z axes											
SAFETY AND EMC ⁴	Safety Standards	Compliance to 1950,TUV EN60950											
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC											
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH											
	EMC standard	Compliance to EN55022 (CISPR22), EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024											
OTHERS	Weight	0.77 kg											
	Dimension	199x110x50mm (LxWxH)											
	Packing	20pcs/16kg/carton											
1	All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.												
2	Ripple and noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF and 47uF parallel capacitor.												
3	Tolerance: includes set up tolerance, line regulation and load regulation.												
4	The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.												

Outline and Dimension



Pin number	Assignment
1	AC-L
2	AC-N
3	PE
4	DC output CH2
5, 6	DC output GND
7, 8	DC output CH1

Derating curve

