

SLI120-20BxxR3



DIMENSION : 40*125.2*113.5mm

Features:

- Universal AC input/Full range
- Protections: Short circuit/Overload/Over voltage/Over temperature
- Cooling by free air convection
- Built-in EMI filter with minimal Bellows
- Power Protection Level : IP31
- 100% full load burn-in test
- Complay with EN55022:2010+AC : 2010+AC : 2011/EN61000-3-2 and EN61000-4-2,3,4,5,6,8,11/EN60950-1
- 2 years warranty

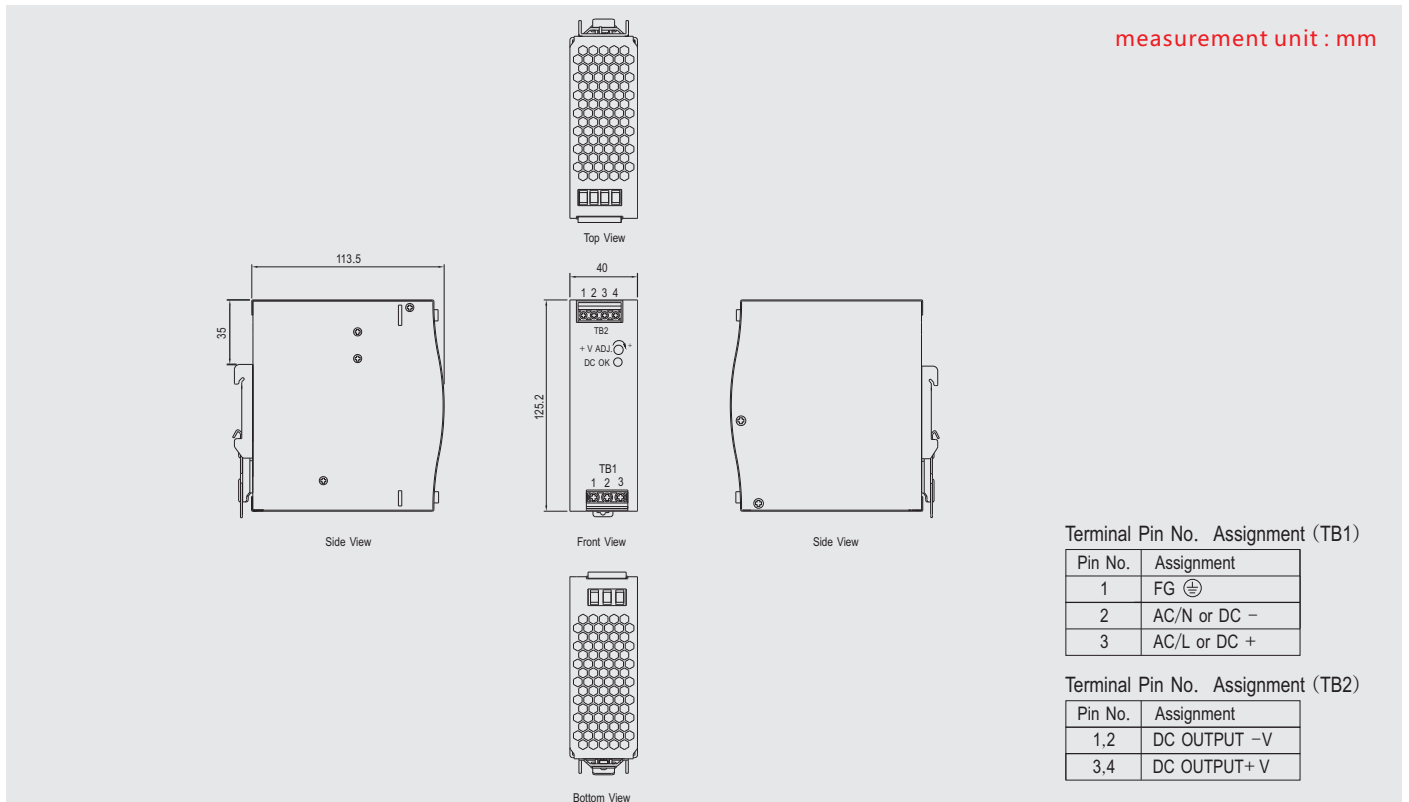
SPECIFICATION



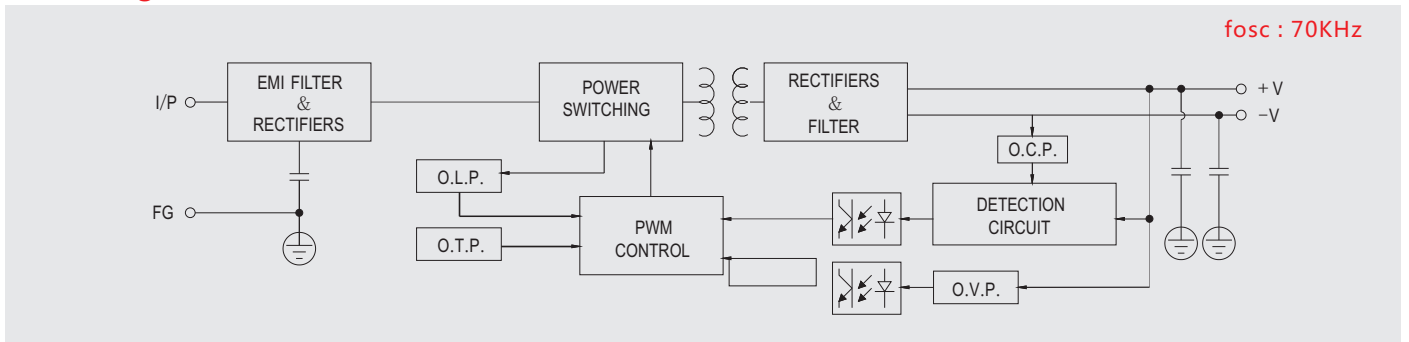
CE RoHS

	MODEL	SLI120-20B12R3	SLI120-20B24R3	SLI120-20B48R3
OUTPUT	DC VOLTAGE	12V	24V	48V
	RATED CURRENT	10.0A	5.0A	2.5A
	CURRENT RANGE	0-10.0A	0-5.0A	0-2.5A
	RATED POWER	120W	120W	120W
	RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	12-14V	24-28V	48-55V
	VOLTAGE TOLERANCE Note.3	±2.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1%	±1%	±1%
	SETUP, RISE TIME	1200ms,60ms/230VAC 2500ms,60ms/115VAC(at full load)		
HOLD UP TIME (Typ.)	16ms/230VAC 10ms/115VAC(at full load)			
INPUT	VOLTAGE RANGE Note.6	90~264VAC 127~370VDC [DC input operation possible by connecting AC/L(+),AC/N(-)]		
	FREQUENCY RANGE	47~63Hz		
	EFFICIENCY(Typ.)	85.5%	88%	89%
	AC CURRENT(Typ.)	2.25A/115VAC 1.3A/230VAC		
	INRUSH CURRENT (Typ.)	20A/115VAC 35A/230VAC		
	LEAKAGE CURRENT	< 1mA/240VAC		
PROTECTION	OVERLOAD	105%~130% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	14~17V	29~33V	56~65V
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover		
ENVIRONMENT	WORKING TEMP.	-20°C~ + 70°C (Refer to "Derating Curve")		
	WORKING HUMIDITY	20~95%RH non-condensing		
	STORAGE TEMP.,HUNMIDITY	-40~ +85°C , 10~90%RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)		
	VIBRATION	Component : 10~500Hz,2G 10min./1 cycle , 60min. each along X,Y,Z axes; Mounting: Compliance IEC60068-2-6		
SAFETY& EMC (Note.4)	SAFETY STANDARDS	UL508,EAC TP TC 004, TUV BS EN/EN62368-1 approved; (meet BS EN/EN60204-1)		
	WITHSTAND VOLTAGE	I/P-O/P : 2KVAC 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 EMISSION	Compliance to BS EN/EN55032(CISPR32),BS EN/EN61204-3 Class B,BS EN/EN61000-3-2,EAC TP TC 020		
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11,BS EN/EN55024, BS EN/EN61000-6-2(BS EN/EN50082-2), BS EN/EN61204-3, heavy industry level, criteria A , EAC TP TC 020		
OTHERS	MTBF	≥456.3K hrs. MIL-HDBK-217F(25°C)		
	DIMENSION	40*125.2*113.5mm(W*H*D)		
	PACKING	0.6Kg; 20pcs/13Kg/1.16CUFT		
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line ragulation and load regulation. 4. The power supply is considered a component which will be installed into final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. Installation clearances : 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat soure, 15mm clearance is recommended. 6. Derating may be needed under low input voltage. Please check the derating curve for more details.			

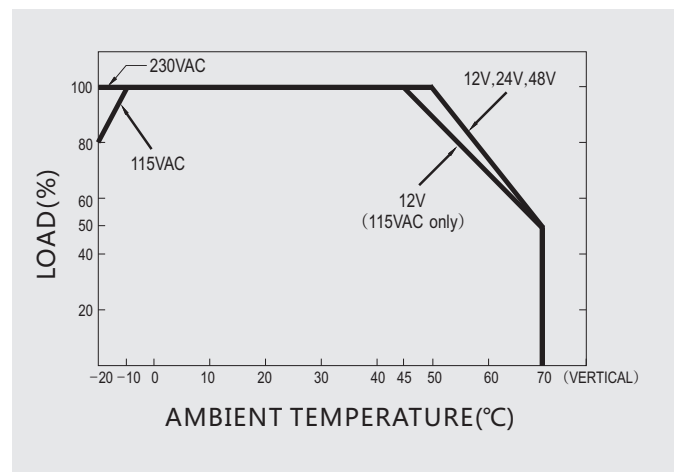
Mechanical Specification



Block Diagram



Derating Curve



Static Characteristics

