



Features :

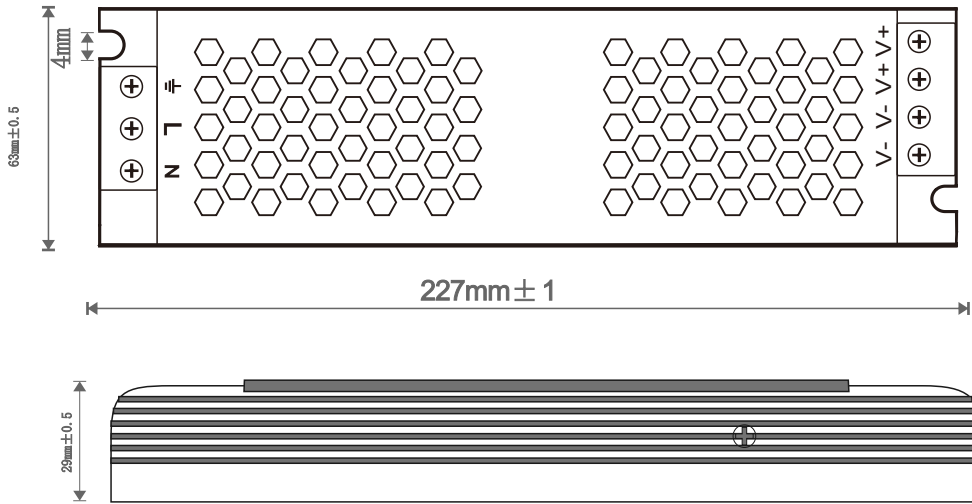
- High operating temperature up to 60°C
- Protection: Short circuit/overload/over voltage
- Cooling by free air convection
- High efficiency, long life and high reliability
- 100% full load burn-in test
- 3 years warranty

Specification

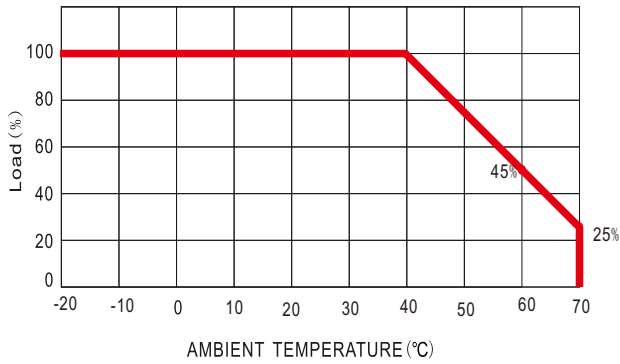
CE RoHS BIS SELV IP20

	Model	HRL-400-12	HRL-400-24
Output	DC Voltage	12V	24V
	Voltage Tolerance	±0.5V	
	Rated Current	0 – 33.3A	0 – 16.67A
	Rated Power	400W	400W
	Ripple & Noise	250mVp-p	250mVp-p
Input	Voltage Range	170-240VAC	
	Frequency Range	50 – 60HZ	
	Power Factor	PF ≥ 0.5/220VAC (Full loading)	
	Full Load Efficiency(Typ.)	83.8% (230AC)	88.5% (230AC)
	AC Current (Max.)	0.8A/100AC, 0.52A/230VAC	
	Leakage current	< 0.75mA/260VAC	
	Inrush current	≤ 60A	
Protection	Short Circuit	Protection type: Hiccup mode, recovers automatically after fault condition is removed.	
	Over Load	Hiccup mode, recovers automatically after fault condition is removed	
	VIBRATION	10-500Hz 2G10min	
	BURNT-IN TEST	Input voltage: 220V 50Hz rated output current 25°C Bum-in 2h	
Environment	Over temperature	100°C±10°C shut down o/p voltage, re-power on to recover	
	Working TEMP.	-20 ~ + 50°C	
	Working Humidity	20~60%RH, non-condensing	
	Storage TEM., Humidity	-20~+ 85%, 10~95%RH	
	START RISE HOLD TIME	500ms, 20ms, 50ms/230VAC at full load	
Safety & EMC	Vibration	10 – 500Hz, 5G 12min./1 cycle, period for 60min. each along X, Y, Z axes.	
	Safety standards	CE Mark	
	Withstand voltage	I/P – O/P: 1.5KVAC I/P – GND: 1.5KVAC	
	EMC Immunity	EN55015:2013; EN61547:2009; EN61000-3-2:2014; EN61000-3-3:2013	
Others	Weight	0.45Kg	
	Dimension	227x63x29 mm (LxWxH)	
	Packing	50pcs/CTN	
Notes	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25°C of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation . 3. The power supply is considered as a component that will be operated in combination with final Equipment. Since EMC performance will be affected by the complete installation, the final equipment manufactures must be – qualify EMC Directive on the complete installation again. 		

Mechanical Specification



Derating Curve



Package

DIMENSION	227x63x29 mm (LxWxH)
CARTON QUANTITY	50PCS/Carton
CARTON SIZE	42x32x29(cm)
WEIGHT	450g /PCS