

**Features :**

- Full range AC input selectable by switch
- Withstand 300VAC surge input for 5 second
- No load power consumption<1W
- Miniature size and 1U low profile
- High operating temperature up to 60°C
- Protection: Short circuit/overload/over voltage
- Cooling by free air convection
- LED indicator for power on
- High efficiency, long life and high reliability
- 100% full load burn-in test
- 3 year warranty

**Specification**

CE RoHS BIS SELV IP20

	Model	HRM-400-12	HRM-400-24
<b>Output</b>	DC Voltage	12V	24V
	Voltage Tolerance	±0.5V	
	Rated Current	0-33.3A	0-16.7A
	Rated Power	400W	400W
	Ripple & Noise	200mVp-p	200mVp-p
<b>Input</b>	Voltage Range	110/220V by switch	
	Frequency Range	50 – 60HZ	
	Power Factor	PF≥0.5/220VAC ( Full loading )	
	Full Load Efficiency(Typ.)	85% ( 230AC )	85% ( 230AC )
	AC Current (Max.)	0.9A/100AC, 0.62A/230VAC	
	Leakage current	<0.8mA/260VAC	
	Inrush current	≤ 60A	
<b>Protection</b>	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	
<b>Environment</b>	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	1500ms, 20ms, 50ms/230VAC at full load	
<b>Safety &amp; EMC</b>	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	
<b>Others</b>	Weight	0.7Kg	
	Dimension	215x115x30mm(LxWxH)	
	Packing	30PCS/CTN	
<b>Notes</b>	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25°C of ambient temperature.</li> <li>2. Tolerance: includes set up tolerance, line regulation and load regulation .</li> <li>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-qualifyEMC Directive on the complete installation again.</li> </ol>		

