

### Features :

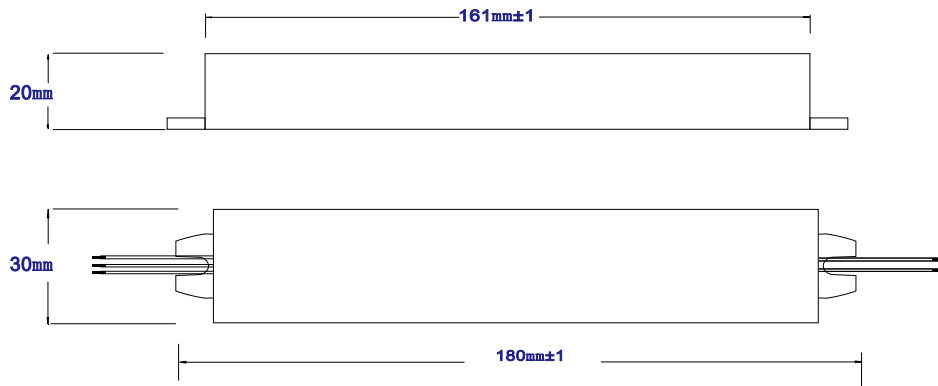
- 100~264VAC input
- Protection: Short circuit/overload/over voltage
- Miniature size and 1U low profile
- Working temperature with -20°C~60°C
- Cooling by free air convection
- 100% full load burn-in test
- IP67 waterproof
- 3years warranty

### Specification

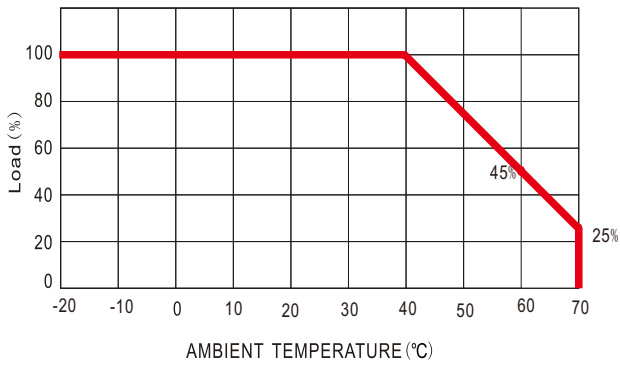
CE RoHS BIS SELV IP67

	Model	HRW-20-12	HRW-20-24
Output	DC Voltage	12V	24V
	Voltage Tolerance	±0.5V	
	Rated Current	0 - 1.67A	0 - 0.83A
	Rated Power	20W	
	Ripple & Noise	120mVp-p	120mVp-p
Input	Voltage Range	100~264VAC	
	Frequency Range	50 - 60HZ	
	Power Factor	PF≥0.6/220VAC ( Full loading )	
	Full Load Efficiency(Typ.)	82%	82%
	AC Current (Max.)	0.55A	0.55A
	Leakage Current	<0.5mA/260VAC	
	Inrush Current	≤ 40A	
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 Burn-in 2h	
Environment	Over Temperature	100°C±10°C shut down o/p voltage, re-poweron 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	0.14kg	
	Dimension	180x30x20mm (LxWxH)	
	Packing	100pcs/CTN	
Notes	<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>		

**Mechanical Specification**



**Derating Curve**



**Package**

DIMENSION	180x30x20 (mm) (L×W×H)
CARTON QUANTITY	100PCS/Carton
CARTON SIZE	370x300x29.5 (mm)
WEIGHT	140g/PCS