

# POWERTRONIC

Model Specification		ZA HRU-60-12	ZA HRU-60-24	ZA HRU-60-36	ZA HRU-60-48
OUTPUT	DC voltage	12V	24V	36V	48V
	Rated output current	5A	2.5A	1.67A	1.25A
	Output current range	0~5A	0~2.5A	0~1.67A	0~1.25A
	DC power	60W	60W	60W	60W
	Voltage tolerance	±1%	±1%	±1%	±1%
	Ripple and noise	100mVp-p	100mVp-p	100mVp-p	100mVp-p
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%
	Load stability	±0.5%	±0.5%	±0.5%	±0.5%
INPUT	AC voltage range	AC170-260V 47-63Hz:240-370VDC			
	Current	1.6A/115V 0.8A/230V			
	Efficiency	85%	86%	86%	86%
	AC Inrush current	Cold-start current 20A/115V 40A/230V			
	Leakage current	<0.5mA/240VAC			
PROTECTION	Overload	110 ~ 150% rated output power			
		Protection type : Constant current limiting, recovers automatically after fault condition is removed			
	Over-voltage	Protection type : Shut down o/p voltage, re-power on to recover			
		13.8-16.2V	28.8-33.6V	41.4-48.6V	55.2-64.8V
Short Circuit	Protection type : Constant current limiting, recovers automatically after fault condition is removed				
SAFETY	Setup rise hold up time	200ms,100ms,20ms			
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES			
	Withstand voltage	Input and output interval,1.5KVAC,Input and enclosure,1.5KVAC,Output and enclosure,0.5KVAC			
	Isolation resistance	Input and output interval,Input and enclosure,Output and enclosure,500VAC/100M Ohms			
ENVIRONMENT	Temperature coefficient	±0.03%/°C (0~50°C )			
	Working temperature and humidity	-20~+60°C,20~90%RH			
	Store temperature and humidity	-40°C~+85°C,10~95%RH			
OTHER	Overall dimension	226*53*19mm			
	Weight	0.25Kg			
CERTIFICATE	CE EMC Authenticate	EN55022:2010 EN61000-3-2:2006+AL:2009 EN61000-3-3:2008			
		EN55024:2010 EN55015:2006+AL2007+2009 EN61547:2009			
	CE LVD Authenticate	EN61347-1:2008T A1:2001 EN61347-2-13:2006			
		EN60950-1:2006+A11:2009+A1:2010+A12:2001			
	ROHS Authenticate	EPA3050B:1996 EN1122B:2001 EPA3052:1996 EPA3060A:1996			
		EPA7196A:1992 EPA3540C:1996 EPA8270D:2007 IEC62321:2008			