



### Features :

- Universal AC input/Full range
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty



MODEL		HPS-U060S5L	HPS-U060S12L	HPS-U060S15L	HPS-U060S24L
OUTPUT	DC VOLTAGE	5V	12V	15V	24V
	RATED CURRENT	12A	5A	4A	2.5A
	CURRENT RANGE	0~12A	0~5A	0~4A	0~2.5A
	RATED POWER	60W	60W	60W	60W
	RIPPLE & NOISE (max.)	120mVp-p	120mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V
	VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	300ms, 50ms/230VAC 800ms,50ms/115VAC(at full load)			
	HOLD UP TIME (Typ.)	80ms/230VAC 12ms/115VAC(at full load)			
INPUT	VOLTAGE RANGE	85~264VAC 120~370VDC			
	FREQUENCY RANGE	47~63Hz			
	EFFICIENCY (Typ.)	73%	76%	77%	79%
	AC CURRENT (Typ.)	2A/115VAC 1A/230VAC			
	INRUSH CURRENT (Typ.)	20A/115V,40A/230VAC			
	LEAKAGE CURRENT	< 3.5mA/ 240VAC			
PROTECTION	OVERLOAD	rated output power 105%~150%			
		Protection type : Shut down o/p voltage, re-power on to recover			
OVER VOLTAGE		5.75~6.75V	13.8~16.2V	17.25~20.25	27.6~32.4V
		Protection type : Hiccup mode, recovers automatically after fault condition is removed			
ENVIRONMENT	WORKING TEMP.	-10~+60°C			
	WORKING HUMIDITY	20~90% RH,non-condensing			
	STORAGE TEMP., HUMIDITY	-20~+ 85°C , 10~95% RH			
	TEMP. COEFFICIENT	±0.03%/°C(0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL1012,UL60950-1,TUVEN60950-1,CCCGB4943 approved			
	WITHSTAND VOLTAGE	I/p-0/P: 3KVAC I/p-FG: 1.5KVAC 0/p-FG: 0.5KVAC			
	ISOLATION RESISTANCE	I/P-0/P, I/P-FG, 0/P-FG: 100M Ohms / 500VDC / 25 °C / 70% RH			
	EMC EMISSION	Compliance to EN55022(CISPR22)ClassB,EN61000-3-2,-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), heavy industry level, criteria A			
OTHERS	MTBF	≥ 316.2K hrs. MIL-HDBK-217F (25°C)			
	DIMENSION	159*97*38mm (L*W*H)			
	PACKING	0.51Kg			