



Features:

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Built in active PFC compliance to EN61000-3-2 class C
- High efficiency up to 90%(typ.)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Low profile:32mm
- ZVS technology to reduce power dissipation
- Built in remote sense
- LED indicator for power on
- 3 years warranty

SPECIFICATION



MODEL		HSP-150-2.5	HSP-150-3.8	HSP-150-5
	DC VOLTAGE	2.5V	3.8V	5V
ОИТРИТ	RATED CURRENT	30A	30A	30A
	CURRENT RANGE(convection)	0 ~ 30A	0 ~ 30A	0 ~ 30A
	RATED POWER(convection)	100W	152W	150W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	100mVp-p	100mVp-p
	VOLTAGE ADJ. RANGE	2.25~2.75V	3.4~4.2V	4.5~5.5V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±2.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±1.0%
	SETUP, RISE TIME	2000ms, 100ms/230VAC 3000ms, 100ms/115VAC at full load		
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load		
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF = 0.95/230VAC $PF = 0.98/115VA$	C at full load PF≡0.9/230VAC at 50%	~100% load
	EFFICIENCY (Typ.)	80%	86%	90%
	AC CURRENT (Typ.)	2A/115VAC 1A/230VAC		
	INRUSH CURRENT (Typ.)	Cold start 70A/230VAC		
	LEAKAGE CURRENT	<0.5mA / 240VAC		
PROTECTION		105~150% rated output power		
	OVERLOAD	Protection type: Hiccup mode, recovers at	utomatically after fault condition is removed	
	SHORT CIRCUIT	Protection type: Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	2.9 ~ 3.4V	4.3 ~ 5.3V	5.7 ~ 7.0V
		Protection type : Shut down o/p voltage, re	-power on to recover	
	OVER TEMPERATURE	100℃±10℃(RTH2)		
		Protection type: Shut down o/p voltage,recovers automatically after fault condition is removed		
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY & EMC (Note 4)	SAFETY STANDARDS	Design refer to JEC60950-1,UL60950-1,EN60950-1		
	WITHSTAND VOLTAGE	I/P-O/P:3.0KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC/25°C/70%RH		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B,EN55015		
	HARMONIC CURRENT	Compliance to EN61000-3-2,CLASS C(≡60% load),EN61000-3-3		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61547, EN55024, light industry level (surge 4KV), criteria A		
OTHERS	MTBF	K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	220*62.5*32mm (L*W*H)		
	PACKING			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. Derating may be needed under low input voltages. Please check the static characteristics for more details. 5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.			



