



## Features:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- High efficiency up to 89% (typ.)
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- 1U low profile 41mm
- Built-in cooling Fan ON-OFF control (load)
- With DC OK signal output
- Built-in remote sense function
- 5 years warranty



MODEL		HRP-300-3.3	HRP-300-5	HRP-300-7.5	HRP-300-12	HRP-300-15	HRP-300-24	HRP-300-36	HRP-300-48	
ОИТРИТ	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	36V	48V	
	RATED CURRENT	60A	60A	40A	27A	22A	14A	9A	7A	
	CURRENT RANGE	0 ~ 60A	0 ~ 60A	0~40A	0 ~ 27A	0 ~ 22A	0 ~ 14A	0 ~ 9A	0 ~ 7A	
	RATED POWER	198W	300W	300W	324W	330W	336W	324W	336W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	90mVp-p	100mVp-p	120mVp-p	150mVp-p	150mVp-p	250mVp-p	250mVp-p	
	VOLTAGE ADJ. RANGE	2.8 ~ 3.8V	4.3 ~ 5.8V	6.8 ~ 9V	10.2 ~ 13.8V	13.5 ~ 18V	21.6 ~ 28.8V	28.8 ~ 39.6V	40.8 ~ 55.2	
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%	
	LOAD REGULATION	±1.0%	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	SETUP, RISE TIME	1000ms, 50ms/230VAC 2500ms, 50ms/115VAC at full load								
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC at full load								
INPUT	VOLTAGE RANGE Note.5	85 ~ 264VAC 120 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
	POWER FACTOR (Typ.)	PF>0.95/230V	AC PF>0.9	99/115VAC at ful	l load					
	EFFICIENCY (Typ.)	79%	82%	86%	88%	88%	87%	88%	89%	
	AC CURRENT (Typ.)	5A/115VAC	2.5A/230VAC		1	1	1	1		
	INRUSH CURRENT (Typ.)	35A/115VAC 70A/230VAC								
	LEAKAGE CURRENT	<1mA/240VAC								
PROTECTION		105 ~ 135% rated output power								
	OVERLOAD	Protection type: Constant current limiting, recovers automatically after fault condition is removed								
	OVER VOLTAGE	3.96 ~ 4.62V	6 ~ 7V	9.4 ~ 10.9V	14.4 ~ 16.8V	18.8 ~ 21.8V	30 ~ 34.8V	41.4 ~ 48.6V	57.6 ~ 67.2	
		Protection type	: Shut down o/	p voltage, re-po	wer on to recove	er		ı		
		90°C ±5°C (TSW1: detect on heatsink of power transistor)								
	OVER TEMPERATURE	$100^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 3.3V,5V,7.5V; $95^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for others (TSW2: detect on heatsink of power diode)								
		Protection type: Shut down o/p voltage, recovers automatically after temperature goes down								
FUNCTION	DC OK SIGNAL	PSU turn on : 3.3 ~ 5.6V ; PSU turn off : 0 ~ 1V								
	WORKING TEMP.	-30 ~ +70°C (Refer to output load derating curve)								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)								
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes								
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved								
SAFETY & EMC (Note 4)	WITHSTAND VOLTAGE	I/P-O/P:3KVAC 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								
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3								
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2, heavy industry level, criteria A								
	MTBF	176K hrs min. MIL-HDBK-217F (25°C)								
OTHERS	DIMENSION	199*105*41mm (L*W*H)								
	PACKING	0.95Kg;15pcs/15.3Kg/0.69CUFT								
NOTE	All parameters NOT specia     Ripple & noise are measure     Tolerance: includes set up     The power supply is consid     EMC directives.	eters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  it includes set up tolerance, line regulation and load regulation.  er supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets								



