



■ Features :

- Universal AC input / Full range
- Built-in active PFC function
- High efficiency up to 86%
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- 1U low profile 36mm
- · Conformal coated
- ZVS technology to reduce power dissipation
- LED indicator for power on
- 3 years warranty





MODEL		HDP-190		
	OUTPUT NUMBER	V1	V2	
ОИТРИТ	DC VOLTAGE	+3.8V	+2.8V	
	RATED CURRENT	33A	20A	
	CURRENT RANGE (max.)	0 ~ 40A	0 ~ 22A	
	RATED POWER	181.4W (typ.) 192W (max.)		
	OUTPUT POWER (max.)	192W continue. V1 total power output shall not exceed 160W (max. 40A); V2 total power output shall not exceed 66W (max. 22A)		
		(The V1 & V2 combine total power output shall not exceed 192W)		
	RIPPLE & NOISE (max.) Note.2	100mVp-p	100mVp-p	
	VOLTAGE ADJ. RANGE Note.6	3.6 ~ 4V	2.5 ~ 3V	
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	
	LINE REGULATION	±0.5%	±0.5%	
	LOAD REGULATION	±2.0%	±2.0%	
	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	90 ~ 264VAC 127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF≧0.94/230VAC PF≥0.98/115VAC at full load		
	EFFICIENCY (Typ.)	86%		
	AC CURRENT (Typ.)	2.7A/115VAC 1.1A/230VAC		
	INRUSH CURRENT (Typ.)	30A/115VAC 45A/230VAC		
	LEAKAGE CURRENT	<0.7mA/240VAC		
PROTECTION	OVERLOAD.	V1+V2: 105 ~ 150% max. output power ; or V2: 125 ~ 170% rated current		
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed		
		V1: 4.37 ~ 5.13V		
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover		
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recovery		
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "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, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, CCC GB4943.1,EAC TP TC 004 approved		
SAFETY &	WITHSTAND VOLTAGE	THSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
EMC (Note 4)	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH		
	EMC EMISSION	Compliance to EN55032 (CISPR32), GB9254, class B, EN61000-3-2,-3, GB17625.1,EAC TP TC 020		
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2, heavy industry level, criteria A,EAC TP TC 020		
OTHERS	MTBF	111.3K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	215*115*36mm (L*W*H)		
	PACKING	0.95Kg; 15pcs/15.3Kg/0.7CUFT		
NOTE	Ripple & noise are measure Tolerance : includes set up The power supply is consid a 360mm*360mm metal pla perform these EMC tests, p Derating may be needed ur	neters 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. e:includes set up tolerance, line regulation and load regulation. er supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a *360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) may be needed under low input voltages. Please check the derating curve for more details. oltage between V1 and V2 should be higher than 1.0V(V1-V2\geq 1.0V).		
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