

SMPS 5V 60A

MODEL		HRPG-300-5
OUTPUT	DCVOLTAGE	5V
	RATEDCURRENT	60A
	CURRENTRANGE	0~60A
	RATEDPOWER	198W
	RIPPLE & NOISE (max.) Note.2	90MVP-P
	VOLTAGEADJ.RANGE	4.3~5.8V
	VOLTAGE TOLERANCE Note.3	±2.0%
	LINEREGULATION	±0.5%
	LOADREGULATION	±1.0%
	SETUP.RISEHOLD.TIME	3000ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load
	HOLD TIME(TYP.)	16ms/230VAC 16ms/115VAC at full load
INPUT	VOLTAGERANGE	85~264VAC 120~370VDC
	FREQUENCYRANGE	47~63HZ
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.99/115VAC at full load
	EFFICIENCY (Typ.)	80%
	AC CURRENT (Typ.)	5A/115VAC 2.5A/230VAC
	INRUSH CURRENT (Typ.)	35A/115VAC 70A/230VAC
	LEAKAGECURRENT	<1.2mA/240VAC
PROTECTION	OVERLOAD	105~135%rated output power
		Protection type : Constant current limiting, recovers automatically after fault condition is removed
	OVER TEMPERATURE (OPTIONAL)	90± 5 (TSW1: detect on heatsink of power transistor)
		Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
		100± 5 for 3.3V,5V,7.5V ; 95± 5 for others (TSW2: detect on heatsink of power diode)
FUNCTION	OVER VOLTAGE	3.96~4.62V
		Protection typeShut odown o/p voltage,re-power on to recover
	DC OK SIGNAL	PSU turns on : 3.3 ~ 5.6V ; PSU turns off : 0 ~ 1V
	FAN CONTROL (Typ.)	Load 35± 15% or RTH2≥ 50 Fan on

ENVIRONMENT	WORKING TEMP	-30~+70 (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%(0~50)
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY&EMC	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 APPROVED
	WITHSTAND VOLTAGE	1/P-O/P:3KVAC 1/P-FG:1.5KVAC 0/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25 / 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
QTHERS	MTBF	176Khrs min MIL-HDBK-217F(25)
	DIMENSION	199*105*41mm (L*W*H)
	PACKING	0.95Kg;15pcs/15.3Kg/0.69CUFT



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