



Features :

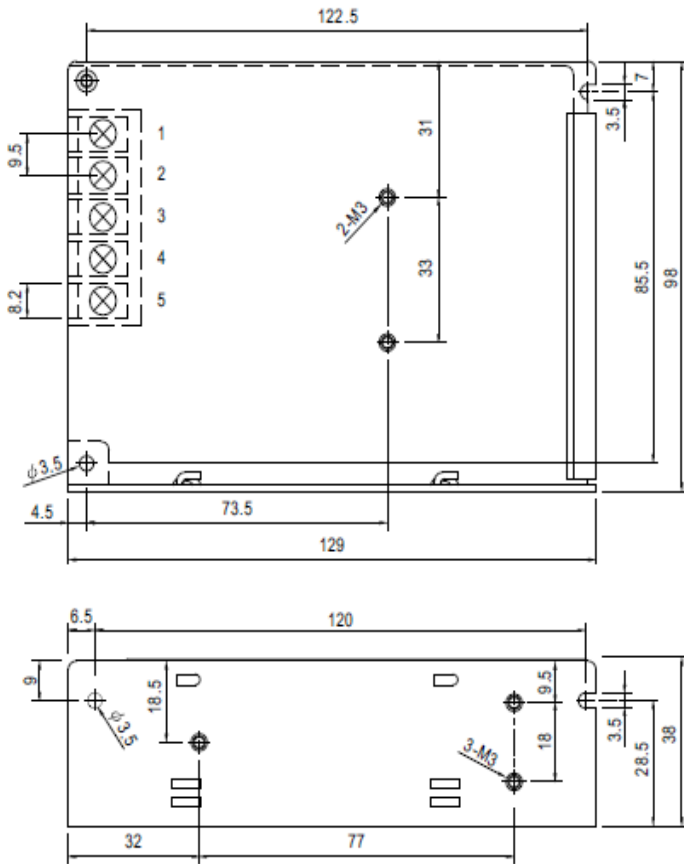
- Universal AC input / Full range
- Protections: Short circuit / Over load / Over voltage
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- All using 105°C long life electrolytic capacitors
- Withstand 300VAC surge input for 5 second
- High operating temperature up to 70
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- 3 years warranty
- No load power consumption<0.5W



MODEL	HPS-U075S3.3M	HPS-U075S5M	HPS-U075S12M	HPS-U075S15M	HPS-U075S24M	HPS-U075S48M	
OUTPUT	DC VOLTAGE	3.3V	5V	12V	15V	24V	48V
	RATED CURRENT	15A	12A	6A	5A	3.2A	1.6A
	CURRENT RANGE	0~15A	0~12A	0~6A	0~5A	0~3.2A	0~1.6A
	RATED POWER	49.5W	60W	72W	75W	76.8W	76.8W
	RIPPLE & NOISE (max.)	80mVp-p	80mVp-p	120mVp-p	120mVp-p	120mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	3V~3.6V	4.75~5.5V	10.8~13.2V	13.5~16.5V	22~27.6V	42~54V
	VOLTAGE TOLERANCE	±3.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	500ms,30ms/230VAC 1200ms,30ms/115VAC {at full load}					
HOLD UP TIME (Typ.)	60ms/230VAC 14ms/115VAC (at full load)						
INPUT	VOLTAGE RANGE	88 264VAC 125 373VDC (Withstand 300VAC surge for 5sec. Without damage)					
	FREQUENCY RANGE	47~63Hz					
	EFFICIENCY (Typ.)	75%	79%	84.50%	86.00%	88.50%	89.50%
	AC CURRENT (Typ.)	2A/115VAC 1.2A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START; 40A/230VAC					
LEAKAGE CURRENT	< 2mA/ 240VAC						
PROTECTION	OVERLOAD	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	3.8~4.45V	5.75~6.75V	13.8 ~ 16.2V	17.25~20.25V	27.6~32.4V	55.2~64.8V
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
ENVIRONMENT	WORKING TEMP.	-25~70°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, 5G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	UL60950-1,TUVEN60950-1 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,EN61000-6-2 {EN50082-2},light industry level, criteria A					
OTHERS	MTBF	≥ 265K hrs. M IL-H DBK-217F { 25°C)					
	DIMENSION	129*97*38mm (L*W*H)					

Mechanical Specification

Case No. 903 Unit:mm

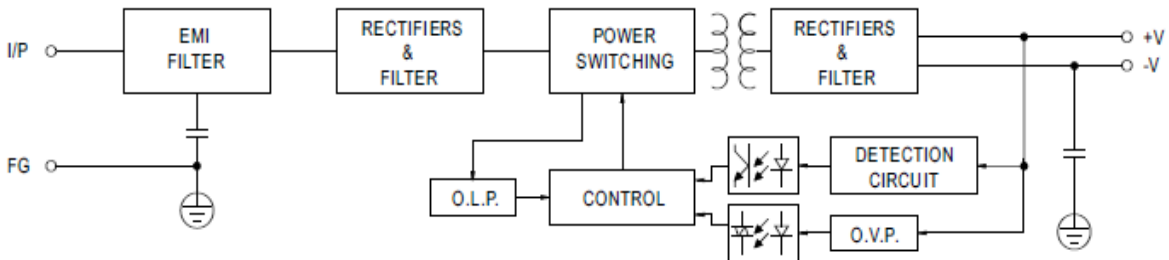


Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	FG \perp		

Block Diagram

fosc : 60KHz



Derating Curve

Output Derating VS Input Voltage

