



# 120W Single Output Switching Power Supply CHS-120 series

## ■ Features:

- AC input select by switch
- Protections: Short circuit/Overload/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- 2 years warranty

## SPECIFICATION

MODEL		CHS-120-5	CHS-120-12	CHS-120-15	CHS-120-24
OUTPUT	DC VOLTAGE DC	5V	12V	15V	24V
	RATED CURRENT	24.0A	10A	8.0A	5.0A
	CURRENT RANGE	0~24A	0~10A	0~8.0A	0~5.0A
	RATED POWER	120W			
	RIPPLE&NOISE(max.)	50mVp-p			
	VOLTAGE TOLERANCE	±0.1%			
	LINE REGULATION	±0.5%			
	LOAD REGULATION	±0.5%			
	SETUP、RISE TIME	500ms,30ms/230VAC	1200ms,30ms/115VAC at full load		
HOLD UP TIME(Typ.)	60ms/230VAC	10ms/115VAC at full load			
INPUT	VOLTAGE RANGE	90~130VAC OR 170~260VDC			
	FREQUENCY RANGE	47~63Hz			
	EFFICIENCY(Typ.)	82%			
	AC CURRENT(Typ.)	1A/115VAC		0.5A/230VAC	
	INRUSH CURRENT(Typ.)	30A/115VAC 60A/230VAC at COLD START			
	LEAKAGE CURRENT	<2mA/240VAC			
PROTECTION	OVERLOAD	105-120%			
	OVER CURRENT	100%-120%			
ENVIRONMENT	WORKING TEMP.	-20~+60℃ (Refer to "Derating Curve")			
	WORKING HUMIDITY	20-90%RH non-condensing			
	STORAGE TEMP.,HUMIDITY	-20~+85℃,10~95%RH			
	TEMP.COEFFICIENT	±0.03%/℃(0~45℃)			
	VIBRATION	10~500Hz,2G 10min./1cycle,period for 60min.each along X,Y,Z axes			
SAFETY& EMC	SAFETY STANDARDS	EN60950			
	WITHSRAND VOLTAGE	I/P-O/P:1.5KVAC 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℃/70%RH			
	EMC EMISSION	Compliance to EN55022(CISPR22)Class B,EN61000-3-2,-3			
	EMC IMMUNITY	Compliance to EN61000			
OTHERS	MTBF	262.8K hrs min.			
	DIMENSION	199*97*38mm(L*W*H)			