



Features:

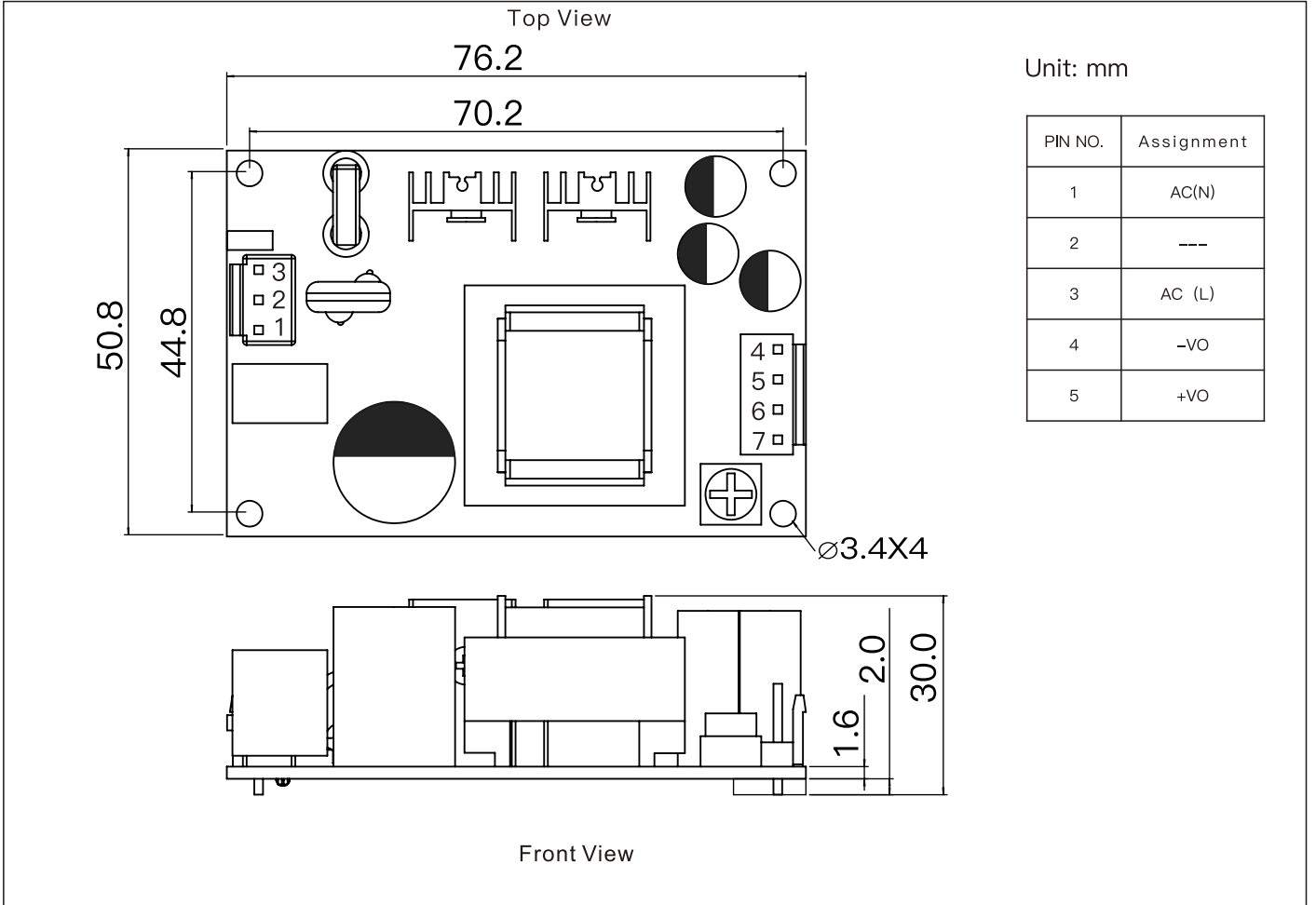
- Universal AC input (85–264Vac)
- Built-in EMI filter: Class B
- EMC Grade 4 MIN
- Multiple protection
- Security Level Class I
- 3 years warranty
- 100% full load burn-in test

Specification

MODEL		PS-45-5	PS-45-12	PS-45-15	PS-45-24	PS-45-48	
INPUT	VOLTAGE RANGE	85-264VAC (<115VAC, Refer to "Static characteristics")			100 ~ 370VDC		
	EFFICIENCY(Typ.)	85%	89%	90%	91%	91%	
	AC CURRENT(Typ.)	0.7A/100VAC 0.32A/ 240VAC					
	INRUSH	Cold boot 40A/115VAC 70 A/230 VAC at full load					
	LEAKAGE CURRENT	<0.75mA at 230VAC/60Hz					
OUTPUT	DC VOLTAGE	5V	12V	15V	24V	48V	
	RATED CURRENT	9A	3.75A	3A	1.87A	0.93A	
	VOLTAGE ADJ. RANGE	4.7~5.5V	11.3~13.5V	13.5~16.5V	22~26V	45.6~53V	
	RATED POWER	45W	45W	45W	45W	45W	
	RIPPLE&NOISE(max.)	80mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	
	VOLTAGE TOLERANCE	±1.0%					
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±1.0% @10~100%load					
	SETUP, RISE TIME	3s/230VAC at full load					
	HOLD UP TIME(Typ.)	16ms/230VAC at full load					
PROTECTION	OVER LOAD	110%~160% rated output power Protection type: Hiccup mode .recovers automatically after fault condition is removed.					
	OVER VOLTAGE	Protection type: Shutdown o/p voltage , re-power on to recover					
ENVIRONMENT	WORKING TEMP	-40 ~ +70 °C (Refer to 'derating curve')					
	WORKING HUMIDITY	10 ~ 85% RH					
	STORAGE TEMP	-40 ~ +105					
	TEMP. COEFFICIENT	0.03%/ (0~ 50°C)					
	VIBRATION	10~500Hz,2G10min./1cycle, 60min.each along X,Y,Z axes					
Safety and electromagnetic compatibility	Safety standards	IEC62368,EN62368,UL62368					
	Withstand voltage and isolation resistance	I/P-O/P:3KVAC; >100M Ohms/500VDC 25°C 70% RH					
		I/P-FG(CASE):1.5KVAC; >100M Ohms/500VDC 25°C 70% RH					
		O/P-FG(CASE):0.5KVAC; >100M Ohms/500VDC 25°C 70% RH					
	Electromagnetic compatibility emission	Parameter	Standard			Test Level / Note	
		Conducted emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1EAC TP TC 020,MSIP KN32			Class B	
		Radiated emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1EAC TP TC 020,MSIP KN32			Class B	
		Harmonic current	BS EN/EN61000-3-2,GB9254			Class A	
		Voltage flicker	BS EN/EN61000-3-3				
	Electromagnetic compatibility immunity	BS EN/EN55045					
		Parameter	Standard			Test Level /Note	
		ESD	BS EN/EN61000-4-2			Level 4, 8KV /15KV	
		RF field susceptibility	BS EN/EN61000-4-3			Level 4	
		EFT bursts	BS EN/EN61000-4-4			Level 4, 2KV	
		Surge susceptibility	BS EN/EN61000-4-5			Level 4, 2KV	
Conducted susceptibility		BS EN/EN61000-4-6			Level 4		
Magnetic field immunity		BS EN/EN61000-4-8			Level 4		
Voltage dips , interruption	BS EN/EN61000-4-11						
OTHERS	MTBF	165K hrs min. MIL-HDBK-217F(25)					
	DIMENSION	76.2*50.8*30mm (L*W*H)					

NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple and noise were measured at 20MHz using a 300mm twisted pair with terminals parallel to a 0.1 uf high frequency ceramic capacitor and a 47uF electrolytic capacitor</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>4. The power supply is considered as a component in the system, which needs to be verified with the terminal equipment.</p>
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Block diagram



Derating curve

