


■ Features :

- Work with leading edge and trailing edge dimmers
- 115VAC and 230VAC inputs available
- Fully isolated plastic case
- Built-in constant current limiting circuit
- Protections: Short circuit / Overload / Over temperature
- Built-in active PFC function
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- 3 years warranty


LPS


(for 48V only)



c



US

(except for 48V)

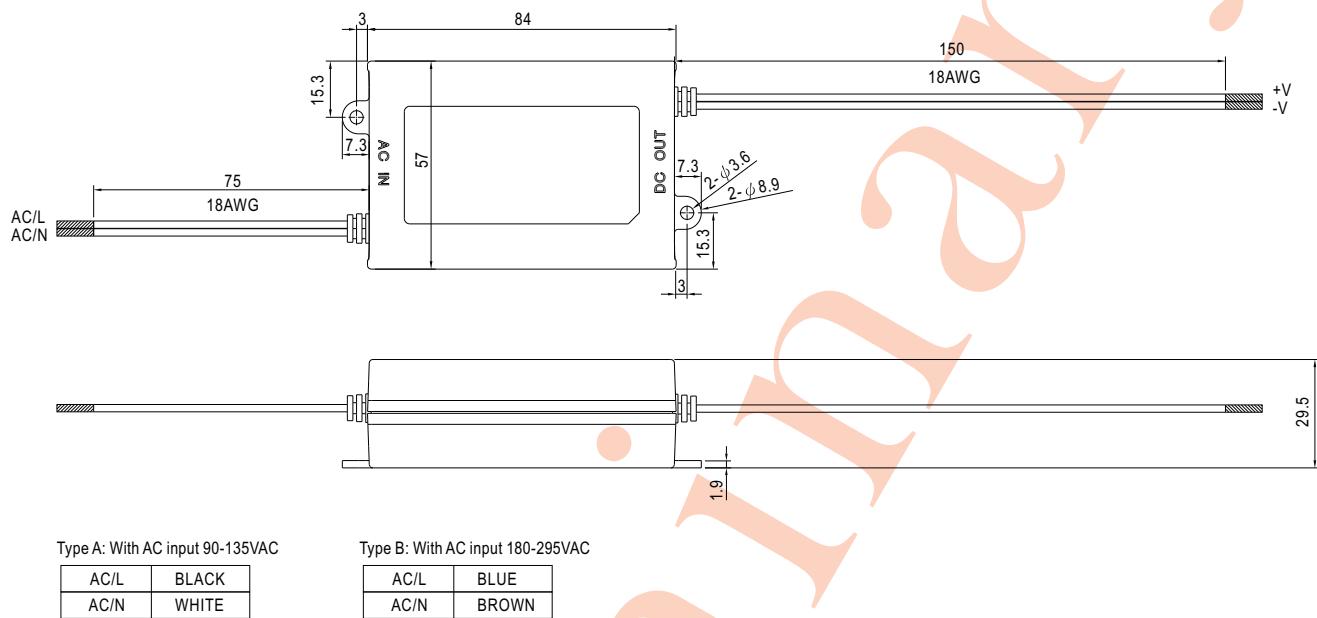

 PCD-25-350 A : With AC input 90~135VAC.
 B : With AC input 180~295VAC.

SPECIFICATION

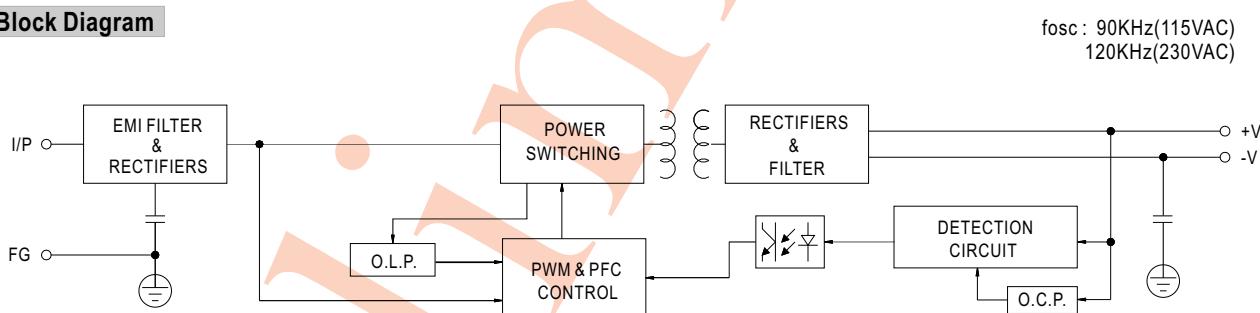
MODEL	PCD-25-350 <input type="checkbox"/>	PCD-25-700 <input type="checkbox"/>	PCD-25-1050 <input type="checkbox"/>	PCD-25-1400 <input type="checkbox"/>				
OUTPUT	RATED CURRENT	350mA	700mA	1050mA				
	OPERATING VOLTAGE RANGE	40 ~ 58V	24 ~ 36V	16 ~ 24V				
	CURRENT RANGE	0 ~ 350mA	0 ~ 700mA	0 ~ 1050mA				
	RATED POWER	20.3W	25.2W	25.2W				
	RIPPLE & NOISE (max.) Note.1	4.6Vp-p	2.7Vp-p	2.2Vp-p				
	OUTPUT VOLTAGE (max.)	63V	50V	35V				
INPUT	SETUP TIME	1000ms / 230VAC 2000ms / 115VAC at full load						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR	PF ≥ 0.9 at full load and rated output voltage						
	EFFICIENCY(Typ.)	82%	81%	80.5%	80%			
	AC CURRENT	0.6A/115VAC 0.3A/230VAC						
	INRUSH CURRENT(max.)	40A/230VAC						
PROTECTION	LEAKAGE CURRENT	<0.5mA / 240VAC						
	OVER CURRENT	95 ~ 110%	Protection type : Constant current limiting, recovers automatically after fault condition is removed					
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.						
	OVER TEMPERATURE	95°C $\pm 10^\circ\text{C}$ (TSW1) detect on heatsink of power transistor						
ENVIRONMENT			Protection type : Shut down o/p voltage, re-power on to recover					
	WORKING TEMP.	-30 ~ +60°C (Refer to output load derating curve)						
	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	$\pm 0.03\%/\text{°C}$ (0 ~ 50°C)						
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes						
	SAFETY STANDARDS	UL1310 Class 2, TUV EN61347-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91(except for 48V) approved						
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC						
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH						
	EMI CONDUCTION & RADIATION	Compliance to EN55015 Class B						
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class C ; EN61000-3-3						
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024,EN61547, light industry level, criteria A						
	MTBF	Khrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	84*57*29.5mm (L*W*H)						
NOTE	PACKING	0.19Kg; 72pcs/14.7Kg/0.75CUFT						
	1. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Direct connecting to LEDs is not suggested for models with "RIPPLE & NOISE" $>\pm 10\%$ and using additional drivers is highly recommended.							

■ Mechanical Specification

Case No.PCD16A Unit:mm



■ Block Diagram



■ Derating Curve

