



Features:

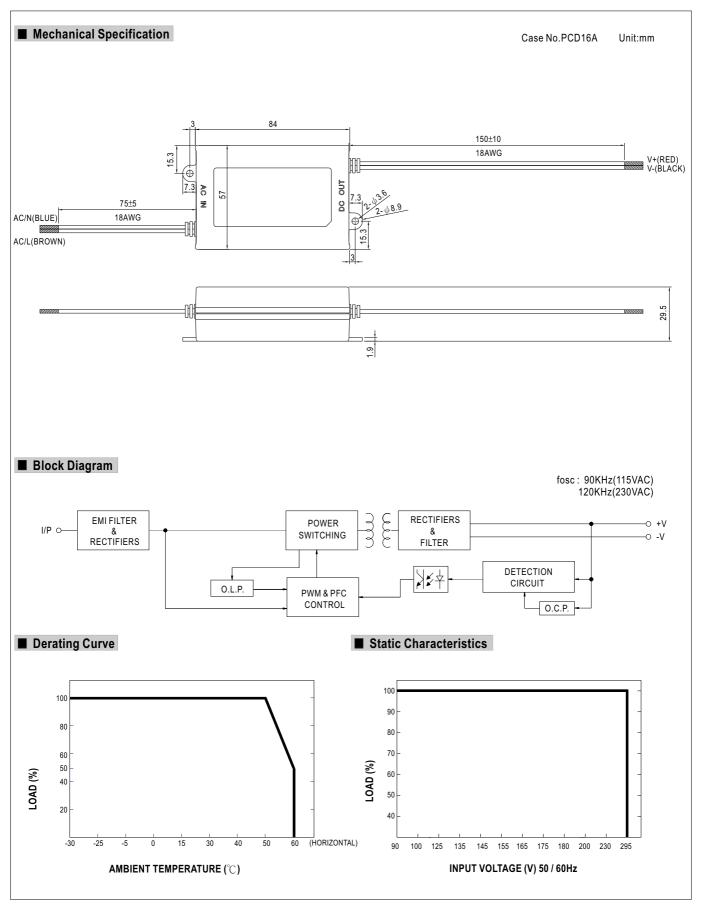
- Universal AC input / Full range (up to 295VAC)
- Fully isolated plastic case
- Constant current design
- Protections: Short circuit / Overload / Over temperature
- Built-in active PFC function
- Cooling by free air convection
- 100% full load burn-in test
- Low cost
- High reliability
- Suitable for dry / damp locations
- 3 years warranty

SPECIFICATION



MODEL		PLD-25-350	PLD-25-700	PLD-25-1050	PLD-25-1400
ОИТРИТ	RATED CURRENT	350mA	700mA	1050mA	1400mA
	OPERATING VOLTAGE RANGE	36 ~ 58V	24 ~ 36V	16 ~ 24V	12 ~ 18V
	CURRENT RANGE	0 ~ 350mA	0 ~ 700mA	0 ~ 1050mA	0 ~ 1400mA
	RATED POWER	20.3W	25.2W	25.2W	25.2W
	RIPPLE & NOISE (max.) Note.1	4.6Vp-p	2.7Vp-p	2.2Vp-p	2Vp-p
	NO LOAD OUTPUT VOLTAGE (max.)	63V	50V	35V	25V
	SETUP TIME	1500ms / 230VAC 3000ms / 115VAC at full load			
INPUT	VOLTAGE RANGE	90 ~ 295VAC 127 ~ 417VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR	PF≥0.9 at 65 ~ 100% load, 115VAC / 230VAC			
	EFFICIENCY(Typ.)	86%	87%	85%	84%
	AC CURRENT	0.6A/115VAC 0.3A/230VAC			
	INRUSH CURRENT(max.)	40A/230VAC			
	LEAKAGE CURRENT	<0.5mA / 240VAC			
PROTECTION	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 ±10°C (TSW1) detect on heatsink of power transistor			
		Protection type : Shut down o/p voltage			
ENVIRONMENT	WORKING TEMP.	-30 \sim +60 $^{\circ}$ 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	±0.03%/°C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	TUV EN61347-1, EN61347-2-13 approved; Design refer to UL1310 Class 2			
	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			
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024,EN61547, light industry level, criteria A			
OTHERS	MTBF	968.6Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	84*57*29.5mm (L*W*H)			
	PACKING	0.19Kg; 72pcs/14.7Kg/0.75CUFT			
NOTE		ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. is not using additional drivers is highly recommended.			

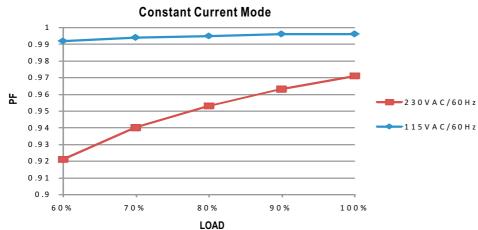






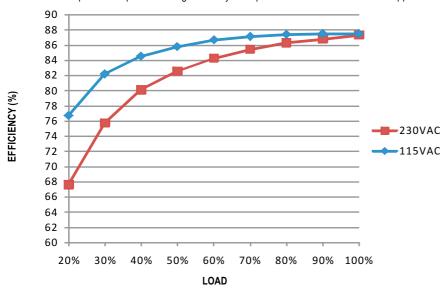
■ Power Factor Characteristic

Power factor will be higher than 0.9 when output loading is 65% or higher.



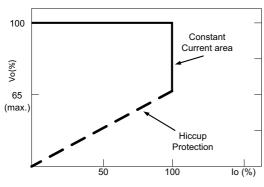
■ EFFICIENCY vs LOAD (PLD-25-700)

PLD-25 series possess superior working efficiency that up to 87% can be reached in field applications.



■ DRIVING METHODS OF LED MODULE

LED power supply may either work in constant current mode (CC) to drive the LEDs.



Typical LED power supply I-V curve