

## KEY FEATURES

- Fully Isolated Plastic Case with IP67 Level
- Constant Current
- With Constant Current & Constant Voltage (C.C+C.V mode)
- Universal Input: 100-240 VAC
- With P.F.C. Function, PF>0.9
- Free Air Convection
- Protections: Over Load / Over Voltage / Short Circuit
- High Reliability & Double Layered PCB
- Ultra Compact Size: 4.92 x 2.36 x 1.38 Inches
- 3-Years Product Warranty



# IP67 CE

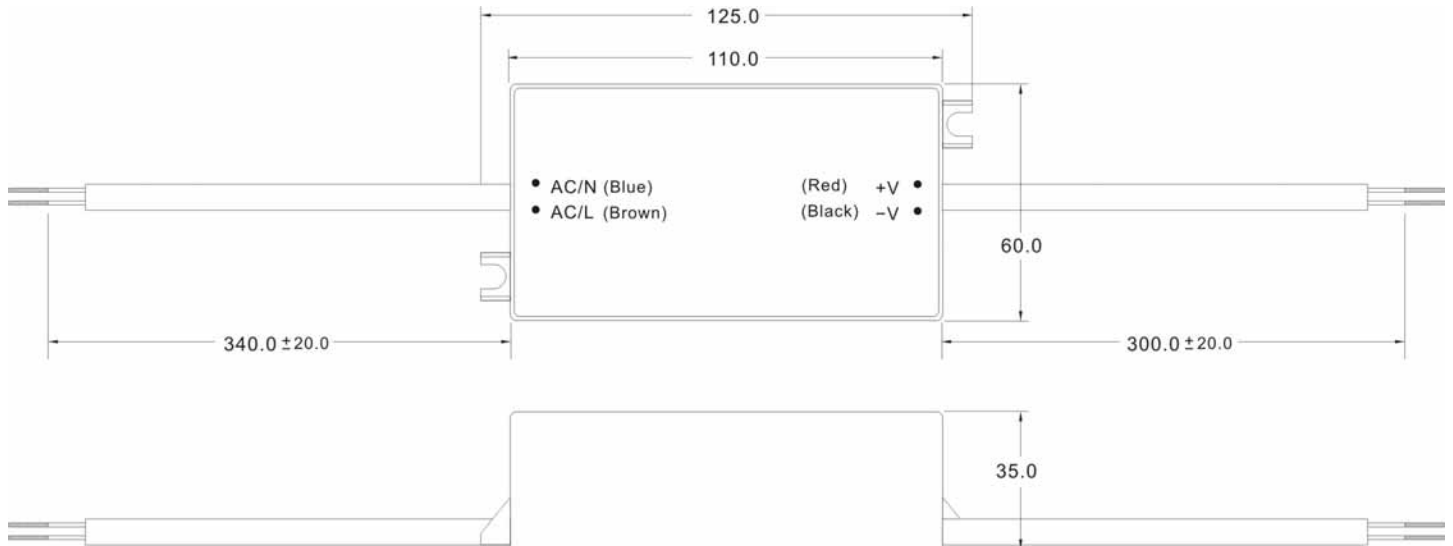
## ELECTRICAL SPECIFICATIONS

All specifications valid at normal input voltage, full load and +25°C after warm-up time unless otherwise stated.

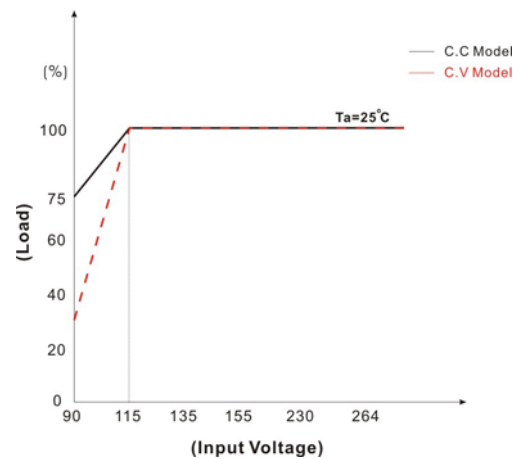
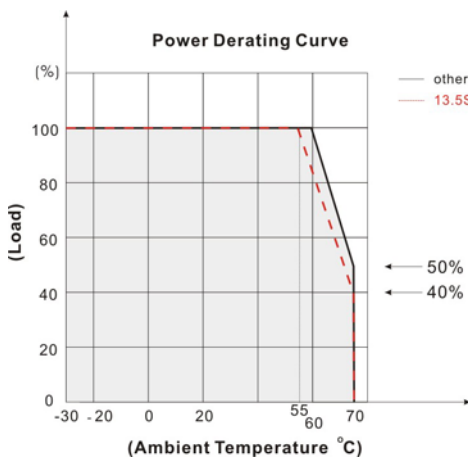
Model No.	PLF30-13.5S	PLF30-24S	PLF30-48S	
Max output wattage ( W )	28.4W	33.6W	33.6W	
Input	Voltage (Note2)			
	90-264 VAC			
	Frequency (Hz)			
	50 / 60 Hz			
	Power factor			
	PF>0.9 at Full load (115 VAC / 230 VAC)			
Output	Current (Full load)			
	0.8A max. (115 VAC) / 0.4A max. (230 VAC)			
	Inrush current			
	40 A max. (Cold Start at 230 VAC)			
	Leakage Current			
	< 0.7 mA max at 240 VAC / 63 Hz			
Output	Voltage (V.DC.)	13.5V	24V	48V
	Constant Current Operation Voltage (max) (CC Mode) (Note3)	11~13.5VDC	17~ 24VDC	33.5~ 48VDC
	Voltage Tolerance	±10%		
	Current (mA) (CC Mode) (at 230VAC.)	2100	1400	700
	Minimum Load (mA)	1900	1050	525
	Line Regulation (115-230VAC) (typ.)	±4%		
	Load Regulation (typ.)	±5%		
	Ripple & Noise (max)	2.4Vp-p	2.4Vp-p	4.8Vp-p
Efficiency (at 230VAC.)(typ)	85%	88%	89%	
Protection	Over current protection	Auto recovery		
	Over voltage protection	Zener diode clamp		
	Short circuit protection	Auto recovery		
Isolation	Input-Output (V.AC)	3750V		
	Input-FG (V.AC)	1880V		
	Output-FG (V.AC)	500V		
Environment	Operating temperature	-30°C...+70°C (with derating)		
	Storage temperature	-40°C...+85°C		
	Temperature coefficient	0.02%/°C		
	Humidity	95% RH		
	MTBF	>583,000 h @ 25°C (MIL-HDBK-217F)		
Physical	Dimension (L x W x H)	4.92 x 2.36 x 1.38 Inches (125.0 x 60.0 x 35.0 mm) Tolerance ±0.5 mm		
	Weight	410 g		
	Cooling method	Free air convection		
Safety	Agency Approvals	IEC / EN 61347-2-13 、 IEC / EN 61347-1		
EMC	EMI (Conducted & Radiated Emission)	EN 55015		
	EMS (Noise Immunity)	EN 61547		
	Harmonic Current	EN 61000-3-2(at Full Load) 、 EN 61000-3-3		

**Note:**

1. Ripple & Noise are measured at 20MHz of bandwidth with 0.1uF & 47uF parallel capacitor.
2. Please check the derating curve for more details.
3. Input Voltage=115 or 230 VAC. This is the suitable operation region for LED related application. but please reconfirm special electrical requirements for some specific system design.

**MECHANICAL DIMENSION ( Top View )**


PIN#	SINGLE
1	AC IN (N)
2	AC IN (L)
3	+DC OUT
4	-DC OUT

**DERATING**

**BLOCK DIAGRAM**
