

# PLN/PLC Series 30~96W Single Output Class 2 with PFC



## Features

- Universal AC input / Full range
- Fully isolated plastic case with IP64 level
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- User adjustable output voltage and current protection level
- UL1310 Class 2 power unit
- Cooling by free air convection
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- PLC-100 with screw terminal type I/O connection (developing)
- 2 years warranty

## General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)

Model No.	PLN-30	PLN-60	PLN-100 PLC-100 <span style="background-color: #e91e63; color: white; border-radius: 10px; padding: 2px;">Under development</span>
AC input voltage range	90~264VAC		
AC inrush current (max.)	Cold start, 40A at 230VAC		
DC adjustment range	±10% rated output voltage adjustable by internal potential meter		0%~ -15% rated output voltage
Current adjustment range	3%~ -25% rated output current adjustable by internal potential meter		
Overload protection	110%~120% constant current limiting	<130% constant current limiting, auto-recovery	95%~100% constant current limiting, auto-recovery
Over voltage protection	110%~155% rated output voltage	115%~140% rated output voltage	107%~135% rated output voltage
Setup, rise, hold up time	1500ms, 150ms at full load and 230VAC, <b>no hold up time</b>	1500ms, 100ms at full load and 230VAC, <b>no hold up time</b>	1200ms, 80ms, 60ms at full load and 230VAC
Withstand voltage	I/P-O/P: 3KVAC	I/P-O/P: 4.25KVDC	
Working temperature	-30~+50°C (refer to output derating curve)		
Safety standards	UL1310 Class 2, CAN/CSA-C22.2 No.223-M91 (except for 48V), EN61347-1, EN61347-2-13 approved TUV EN60950-1, UL879 (listed in Sign Components Manual – SAM) approved (PLN-100 only)		
EMC standards	EN55015, EN55022 class B(PLN-60/100 only), EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61547		
Connection	Input	UL rated, 18AWGx2C (30cm)	
	Output	UL rated, 18AWGx3C (30cm) (PLN-60/100)	UL rated, 18AWGx2C (30cm) (PLN-60/100)
Dimension (L*W*H)(mm)	145x 47x 30	181x 61.5x 35	200x 70.5x 35
Case No.	964A	960A	955A
Packing	0.22kg ; 60pcs / 14.2kg / 1.25CUFT	0.5kg ; 24pcs / 13.0kg / 0.75CUFT	0.52kg ; 20pcs / 11.4kg / 0.76CUFT

## PLN-30 Series



Stock No.	Model No.	Output	Tol.	R&N	Effi.
11501	PLN-30-9	9V, 0~3.3A	±10%	2.6V	80%
11502	PLN-30-12	12V, 0~2.5A	±10%	2.0V	83%
11503	PLN-30-15	15V, 0~2.0A	±10%	2.6V	84%
11504	PLN-30-20	20V, 0~1.5A	±10%	2.0V	84%
11505	PLN-30-24	24V, 0~1.25A	±10%	2.6V	85%
11506	PLN-30-27	27V, 0~1.12A	±10%	2.3V	85%
11507	PLN-30-36	36V, 0~0.84A	±10%	4.5V	86%
11508	PLN-30-48	48V, 0~0.63A	±10%	3.7V	86%

11483	PLN-60-20	20V, 0~3.0A	±10%	1.8V	86.5%
11484	PLN-60-24	24V, 0~2.5A	±10%	2.7V	86.5%
11485	PLN-60-27	27V, 0~2.3A	±10%	2.7V	87.0%
11486	PLN-60-36	36V, 0~1.7A	±10%	3.6V	87.0%
11487	PLN-60-48	48V, 0~1.3A	±10%	4.6V	88.0%

## PLN-60 Series



Stock No.	Model No.	Output	Tol.	R&N	Effi.
11481	PLN-60-12	12V, 0~5.0A	±10%	2.0V	83.0%
11482	PLN-60-15	15V, 0~4.0A	±10%	2.4V	84.5%

## PLN-100 Series



Stock No.	Model No.	Output	Tol.	R&N	Effi.
11491	PLN-100-12	12V, 0~5.00A	±3%	150mV	83%
11492	PLN-100-15	15V, 0~5.00A	±3%	150mV	85%
11493	PLN-100-20	20V, 0~4.80A	±3%	150mV	87%
11494	PLN-100-24	24V, 0~4.00A	±3%	150mV	87%
11495	PLN-100-27	27V, 0~3.55A	±3%	150mV	87%
11496	PLN-100-36	36V, 0~2.65A	±2%	150mV	87%
11497	PLN-100-48	48V, 0~2.00A	±2%	200mV	87%