



### Features

- Universal AC input / Full range
- Fully isolated plastic case with IP64 level
- Built-in active PFC function, PF>0.9 for 75% of load or higher
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- User adjustable output voltage (except for PLN-20) and constant current 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
- 2 years warranty

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

Model No.	PLN-20 <b>NEW</b>	PLN-30	PLN-60	PLN-100
AC input voltage range	90~264VAC			
AC inrush current (max.)	Cold start, 40A at 230VAC			
DC adjustment range	None	±10% rated output voltage adjustable by internal potential meter		85%~ -100% rated output voltage
Current adjustment range	50% ~ 100%	75%~ 103% rated output current adjustable by internal potential meter		
Overload protection	110%~120% constant current limiting, auto-recovery		95%~130% constant current limiting, auto-recovery	95%~102% constant current limiting, auto-recovery
Over voltage protection	105%~142% rated output voltage	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	I/P-O/P: 3.75kVAC
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 (20W pending) 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)		UL rated, 18AWGx3C (30cm) (PLN-60/100)
	Output			UL rated, 18AWGx2C (30cm) (PLN-60/100)
Dimension (L*W*H)(mm)	148.5x 38.5x 28	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 / 12.5kg / 0.76CUFT

### PLN-20 Series UL / CUL / TUV / CE pending

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11051	PLN-20-5	5V, 0~3.0A	±10%	2.0V	70%
11052	PLN-20-12	12V, 0~1.6A	±10%	1.5V	83%
11053	PLN-20-18	18V, 0~1.1A	±10%	2.0V	84%
11054	PLN-20-24	24V, 0~0.8A	±10%	2.4V	85%
11055	PLN-20-36	36V, 0~0.5A	±10%	3.6V	85%
11056	PLN-20-48	48V, 0~0.4A	±10%	4.8V	85%

### PLN-60 Series LPS

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%
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-30 Series LPS

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%

### PLN-100 Series LPS

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%