



Automatización Eléctrica

Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

PLN series

20~96W Single Output with PFC

Features

- Universal AC input (up to 295VAC) / Full range
- Fully isolated plastic case with IP64 level
- Built-in active PFC function
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Built-in constant current limiting circuit (C.V.+C.C. mode)
- Class 2 power unit / Pass LPS
- Isolation class II, no F.G. for PLN-20/30
- User adjustable output voltage (except for PLN-20) and current protection level
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- 2 years warranty

	PLN-20	PLN-30	PLN-45/60	PLN-100						
INPUT	<table border="1"> <tr> <th>PLN-20</th> <th>PLN-30</th> <th>PLN-45/60/100</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				PLN-20	PLN-30	PLN-45/60/100			
PLN-20	PLN-30	PLN-45/60/100								
OUTPUT	<table border="1"> <tr> <th>PLN-20</th> <th>PLN-30/45/60/100</th> </tr> <tr> <td></td> <td></td> </tr> </table>				PLN-20	PLN-30/45/60/100				
PLN-20	PLN-30/45/60/100									
AC input voltage range	90~277VAC; 127~392VDC		90~295VAC ; 127~417VDC							
AC inrush current (max.)	Cold start, 35A at 230VAC			Cold start, 40A at 230VAC						
DC adjustment range	None	95%~108% rated output voltage		85%~100% rated output voltage						
Current adjustment range	75%~100%	75%~103%								
Over current protection	95%~110% constant current limiting, auto-recovery	100%~110% constant current limiting, auto-recovery	95%~110% 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	2300ms(setup time) at full load and 230VAC, no hold up time	2000ms(setup time) at full load and 230VAC, no hold up time	1500ms(setup time) at full load and 230VAC, no hold up time	1200ms, 80ms, 60ms at full load and 230VAC						
Withstand voltage	I/P-O/P: 3.75kVAC		I/P-O/P: 3.75kVAC I/P-FG: 2kVAC O/P-FG: 0.5kVAC							
Working temperature	-30~+60°C									
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 approved for PLN-20 UL879, UL1310, UL8750(PLN-45/60), TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 approved for PLN-30/45/60 UL879, UL1310, UL8750, TUV EN61347-1, EN61347-2-13, EN60950-1, PSE J61347-1, J61347-2-13 approved for PLN-100									
EMC standards	EN55015, EN55022 class B (PLN-60/100 only), EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547									
Connection	Input Output	UL rated, UL1015 18AWGx2C (32cm)	UL rated, SVT 18AWGx2C (32cm)	UL rated, SVT 18AWGx3C (30cm) UL rated, SVT 18AWGx2C (30cm)						
Dimension (LxWxH) (mm)	148.5x 38.5x 28		145x 47x 30	181x 61.5x 35						

PLN-20 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-20-12	12V, 0~1.6A	±10%	2.5V	80.0%
PLN-20-18	18V, 0~1.1A	±10%	3.0V	81.0%
PLN-20-24	24V, 0~0.8A	±10%	3.0V	82.0%
PLN-20-36	36V, 0~0.55A	±10%	3.0V	83.0%
PLN-20-48	48V, 0~0.42A	±10%	3.8V	83.5%

PLN-30 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-30-9	9V, 0~3.3A	±10%	2.6V	80.0%
PLN-30-12	12V, 0~2.5A	±10%	2.0V	82.5%
PLN-30-15	15V, 0~2.0A	±10%	2.6V	83.5%
PLN-30-20	20V, 0~1.5A	±10%	2.6V	84.0%
PLN-30-24	24V, 0~1.25A	±10%	2.6V	84.0%
PLN-30-27	27V, 0~1.12A	±10%	2.3V	84.5%
PLN-30-36	36V, 0~0.84A	±10%	4.5V	85.0%
PLN-30-48	48V, 0~0.63A	±10%	3.7V	85.5%

PLN-45 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-45-12	12V, 0~3.8A	±10%	2.0V	83.5%
PLN-45-15	15V, 0~3.0A	±10%	2.4V	85.0%

Model No.	Output	Tol.	R&N	Effi.
PLN-45-20	20V, 0~2.3A	±10%	1.8V	86.5%
PLN-45-24	24V, 0~1.9A	±10%	2.7V	86.5%
PLN-45-27	27V, 0~1.7A	±10%	2.7V	86.5%
PLN-45-36	36V, 0~1.25A	±10%	3.6V	87.5%
PLN-45-48	48V, 0~0.95A	±10%	4.6V	87.5%

PLN-60 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-60-12	12V, 0~5.0A	±10%	2.0V	85.0%
PLN-60-15	15V, 0~4.0A	±10%	2.4V	86.0%
PLN-60-20	20V, 0~3.0A	±10%	1.8V	87.5%
PLN-60-24	24V, 0~2.5A	±10%	2.7V	87.0%
PLN-60-27	27V, 0~2.3A	±10%	2.7V	88.0%
PLN-60-36	36V, 0~1.7A	±10%	3.6V	89.0%
PLN-60-48	48V, 0~1.3A	±10%	4.6V	89.0%

PLN-100 Series

Model No.	Output	Tol.	R&N	Effi.
PLN-100-12	12V, 0~5.0A	±3%	150mV	83.0%
PLN-100-15	15V, 0~5.0A	±3%	150mV	85.0%
PLN-100-20	20V, 0~4.8A	±3%	150mV	88.5%
PLN-100-24	24V, 0~4.0A	±3%	150mV	88.5%
PLN-100-27	27V, 0~3.55A	±3%	150mV	88.0%
PLN-100-36	36V, 0~2.65A	±2%	150mV	88.0%
PLN-100-48	48V, 0~2.0A	±2%	200mV	88.5%



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
AC/DC Power Led Power Series PLN-100 96W Input 90~277 Vac Dimension 200x 70.5x 35 mm Warranty 2 year	PLN10036	PLN-100-36	Buy on EAN
AC/DC Power Led Power Series PLN-20 20W Input 90~277 Vac Dimension 147x 37x 28 mm Warranty 2 year	PLN2036	PLN-20-36	Buy on EAN
AC/DC Power Led Power Series PLN-20 20W Input 90~277 Vac Dimension 147x 37x 28 mm Warranty 2 year	PLN2048	PLN-20-48	Buy on EAN
AC/DC Power Led Power Series PLN-30 30W Input 90~277 Vac Dimension 145x 47x 30 mm Warranty 2 year	PLN3048	PLN-30-48	Buy on EAN