

DESCRIPTION

PRODUCT COVERED:

USL, CNL Power supplies, Model PW118 Series, PW127 Series and PW130 Series followed by additional suffixes as described in the Part Number Designation.

GENERAL CHARACTER AND USE:

This product is a switching type power supply incorporating semiconductor components in the primary circuit and an isolating transformer. The input is supplied from an appliance inlet or by parallel blades intended for connection to a standard parallel blade receptacle. A multi-pin connector supplies the output. The outputs are considered SELV, non-energy hazard.

ELECTRICAL RATINGS:

Model	Input, 50-60 Hz.		Output, d.c.	
	V	A	V	A
PW118-XA-03-XX-X-XX	100-250	0.5	+3.3	3.34
PW118-XA-05-XX-X-XX	100-250	0.5	+5	3.0
PW118-XA-07-XX-X-XX	100-250	0.5	+7.5	2.4
PW118-XA-09-XX-X-XX	100-250	0.5	+9	2.0
PW118-XA-12-XX-X-XX	100-250	0.5	+12	1.5
PW118-XA-15-XX-X-XX	100-250	0.5	+15	1.2
PW118-XA-18-XX-X-XX	100-250	0.5	+18	1.0
PW118-XA-20-XX-X-XX	100-250	0.5	+20	0.9
PW118-XA-24-XX-X-XX	100-250	0.5	+24	0.75
PW118-XA-48-XX-X-XX	100-250	0.5	+48	0.4
PW127-XA-12-XX-X-XX	100-250	0.8	+12	2.5
PW127-XA-15-XX-X-XX	100-250	0.8	+15	2.0
PW130-XA-48-XX-X-XX	100-250	0.5	+48	0.42
PW130-XB-48-XX-X-XX	100-250	0.5	+48	0.35
PW130-XC-48-XX-X-XX	100-250	0.5	+48	0.42

NOTE: The marked output voltage may be less than the rated output voltage per the table, provided that the output current remains the same or less as shown in the table.

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PART NUMBER DESIGNATION:

<u>PW118</u>	<u>X</u>	<u>A</u>	<u>XX</u>	<u>XX</u>	<u>X</u>	<u>XX</u>
1	2	3	4	5	6	7

1. Model Number for family related designs.

2. Manufacturing Location, A-Z.

3. Design Revision Changes, A = standard.

4. Tabulated output voltage as noted in Electrical Ratings, above.

5. Number Options, can be 00-99.

6. Input Options

F = Class I, C14 Appliance inlet. D = Class I, Direct Plug-In.

N = Class II, C8 Appliance inlet. Q = Class II, C18 Appliance inlet.

B = Class II, Direct Plug-In.

7. Number Options can be 00-99.

PART NUMBER DESIGNATION:

<u>PW130</u>	<u>X</u>	<u>A</u>	<u>XX</u>	<u>XX</u>	<u>X</u>	<u>XX</u>
1	2	3	4	5	6	7

1. Model Number for family related designs.

2. Manufacturing Location, A-Z.

3. Design Revision Changes.

4. Tabulated output voltage as noted in Electrical Ratings, above.

5. Number Options, can be 00-99.

6. Input Options,

F = Class I, C14 Appliance inlet.

N = Class II, C8 Appliance inlet.

7. Number Options can be 00-99.

PART NUMBER DESIGNATION:

$\frac{PW130}{1}$ $\frac{X}{2}$ $\frac{X}{3}$ $\frac{XX}{4}$ $\frac{XX}{5}$ $\frac{X}{6}$ $\frac{XX}{7}$

1. Model Number for family related designs.
2. Manufacturing Location, A-Z.
3. Design Revision Changes. A = Standard, B = Additional secondary current limiting circuit.
4. Tabulated output voltage as noted in Electrical Ratings, above.
5. Number Options, can be 00-99.
6. Input Options,
 F = Class I, C14 Appliance inlet.
 N = Class II, C8 Appliance inlet.
7. Number Options can be 00-99.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Special Considerations - The following items are considerations that were used when evaluating this product.

USL indicates investigation to the U.S. Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, UL 60950, Third Edition, dated December 1, 2000.

CNL indicates investigation to the Canadian Standard for the Safety of Power Supplies, CAN/CSA-C22.2, No. 60950, Third Edition, dated December 1, 2000.

The equipment has been evaluated considering in a room ambient of 25°C.

The model PW118XA2400F02 was evaluated for a room ambient of 40°C.

The equipment is considered movable, Class I (earthed) or Class II (double insulated), pluggable Type A, uses a detachable power cord, intended for use on a TN power system.

This product has been investigated for pollution degree 2 applications. It is considered for IPX0 ordinary protection against the ingress of water.

Disconnect Device- The following component is considered the equipment disconnect device: Appliance Inlet.

Limited Power Source: PW118 Series - 7.5V, 9V, 12V, 15V, 18V, 24V and 48V models comply with the requirements.

Limited Power Source: PW130 Series - 48V model complies with the requirements.

Model Differences -

Model PW130XB48XXXXX is similar to model PW130XA48XXXXX, except model PW130XB48XXXXX has an additional secondary current limiting circuit.

Model PW130XC48XXXXX is identical to Model PW130XA48XXXXX, except for the addition of a polarity reverse switch, SELV differences, and a 1.0 mm diameter hole in the side of the enclosure to access the switch.