PW170
Universal 6-12 Watt Series

ITE / Switch Mode Power Supply

3 Year Warranty

- *100-250 VAC Universal Input*
- *Desktop and Wall Plug Style with Interchangeable Blades* (Kit Sold Separately)*
- *Single Output to 12W*
- *Nine Models Available; 3.3V to 48V*
- *Regulated Output with Low Ripple*
- *Impact Resistant Polycarbonate Enclosure*
- *Modified and Custom Designs*
- *No Load Power Consumption < 0.75W*
- *Meets ENERGY STAR Program Requirements see reverse side for details*

*Photo shows optional blades kit

International Safety Standard Approvals

Specifications

Output Specifications

Line and Load Voltage Regulation	Excluding cord	+/-1%
Ripple		1% Vp-p max.
Transient Response		0.5ms for 50% Load change Typical
Protection		Over-current Protection (Hiccup) Short Circuit Protection

Input Specifications

Input Voltage Range	Universal input	100-250VAC -10%, +6%
Line Frequency		47-63Hz
Input Current	90VAC Input	0.4A max.
Protection		Internal Primary Current Fuse, Inrush Limiting

Environmental Specifications

Thermal Performance	Operating temperature full load, no derating convectional cooling Non vented case	0° C to 40° C
Relative Humidity	Non-condensing	5% to 95%
Altitude		0-10,000 feet

General Specifications

Topology		Switching-Fixed Frequency Flyback
Efficiency		70% min.
Hold-up Time	@120VAC	18ms min.
Dielectric Withstand		3,000VAC, 4,250VDC Primary-Secondary
Storage Temp		-30° C to 85° C
Approvals and Safety Standards		UL60950-1, IEC/EN60950-1 EMC : EN55022 / 55024 61000
MTBF		100,000 Calculated Hours
Case and Dimension		IEC320-C8 Inlet 3.06L x 1.81W x 1.30H (in) 77.7L x 46.0W x 33.0H (mm)
Case Material		Black 94V0 Polycarbonate
Cord and Connectors		6ft. 2 Conductor, 18AWG, AULT#3 Connector. Other connectors are also available.

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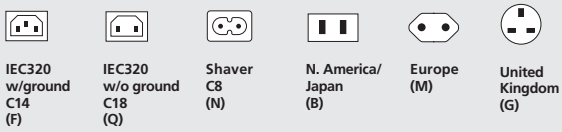
For the most current data and application support visit www.slpower.com

Ault Part Number	Output Voltage	Output Currents Min	Output Currents Max	Max Watts	Ripple Vp-p max.
PW170KA03XX*	3.3 V	0.00 A	2.00 A	6.6 W	50 mV
PW170KA05XX	5 V	0.00 A	2.00 A	10.0 W	50 mV
PW170KA06XX	6 V	0.00 A	2.00 A	12.0 W	60 mV
PW170KA09XX	9 V	0.00 A	1.50 A	13.5 W	90 mV
PW170KA12XX	12 V	0.00 A	1.25 A	15.0 W	120 mV
PW170KA15XX	15 V	0.00 A	1.00 A	15.0 W	150 mV
PW170KA18XX	18 V	0.00 A	0.83 A	15.0 W	180 mV
PW170KA24XX	24 V	0.00 A	0.63 A	15.12 W	240 mV
PW170KA48XX	48 V	0.00 A	0.31 A	14.88 W	480 mV

Ault Part Number Key

PW170	K	A	03	XX
Product Family Name	Manufacturing Location	Design Revision Changes	Voltage DC	Connector Number

Input Configuration



IEC320 w/ground C14 (F) | IEC320 w/o ground C18 (Q) | Shaver C8 (N) | N. America/ Japan (B) | Europe (M) | United Kingdom (G)

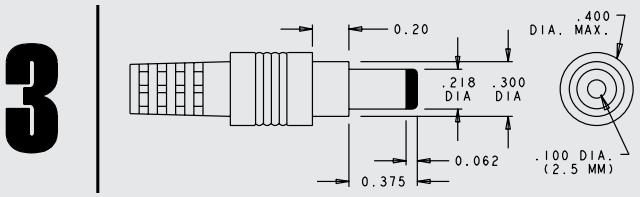
Specify the Input Configuration Code in your order.

Optional AC Interchangeable Blade Kit - KT1027K

Europe (M) | United Kingdom (G) | Australian (E)

Blade Kit Part Number - KT1027K

Pin Connections



Pinout Code	Center contact: positive
Description	Switchcraft 760 plug or equivalent
Suggested Mating	Switchcraft 712A jack or equivalent

Other Connectors are available by special order

Energy Star Specifications

Power Supplies that are single voltage external AC to DC and AC to AC included with other retail products and single voltage external AC to DC or AC to AC power supplies sold separately; and consumer audio and video equipment, which includes compact audio products, DVD players and recorders as well as television adapters. (Please refer to the reverse side of data sheet for specifications and marking protocol.)

Energy-Efficiency Criteria for Active Mode

To be eligible for ENERGY STAR qualification, an external power supply must meet or exceed a minimum efficiency for Active Mode, which varies based on the model's nameplate output power. The table below outlines the equations for determining minimum average efficiency.

Nameplate Output Power	Minimum Average Efficiency in Active Mode
0 to ≤ 1 watt	≥ 0.49 * Pno
> 1 to ≤ 49 watts	≥ [0.09 * Ln (Nameplate Output)] + 0.49
> 49 watts	≥ 0.84

Energy Consumption Criteria for No Load

The second half of the ENERGY STAR specification is the No-Load power requirement, which specifies the maximum AC power that may be used by a qualifying external power supply in the No-Load condition. Maximum power consumption levels for No-Load Mode are provided below.

Nameplate Output Power	Maximum Power in No-Load
0 to < 10 watts	≤ 0.5 watts
≥ 10 to ≤ 250 watts	≤ 0.75 watts

*Does not meet Energy Star requirements

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