



ITE / Switch Mode Power Supply



- 100-250 VAC Universal Input
- Desktop Style
- Single Output 40W to 70W
- Seven Models Available; 5V to 48V
- Regulated Output with Low Ripple
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs
- Meets ENERGY STAR Program Requirements see reverse side for details





International Safety Standard Approvals



Specifications

Altitude

Excluding cord	+/-1%		
	1% Vp-p max.		
	0.5ms for 50% Load change Typical		
	Over-current Protection (Hiccup) Short Circuit Protection		
Input Specifications			
Universal input	100-240VAC -10%, +10%		
	47-63Hz		
90VAC Input	1.5A max.		
	Internal Primary Current Fuse, Inrush Limiting		
cations			
Cations Operating temperature full load, no derating convectional cooling Non vented case	0° C to 40° C		
	Excluding cord		

General Specification	ons	
Тороlоду		Switching-Fixed Frequency Flyback
Efficiency	5V to 24V 48V	≥ 84% 80% min.
Hold-up Time	@120VAC @240VAC	18ms min. 80ms min.
Dielectric Withstand		3,000VAC, 4,250VDC Primary-Secondary
Storage Temp		-30° C to 85° C
Approvals and Safety Standards	Australian, Japanese certification available - extra fees apply.	UL60950-1, IEC/EN60950-1 EMC : EN55022 / 55024 61000
MTBF		100,000 Calculated Hours
Case and Dimension		LP6 4.20L x 2.60W x 1.46H (in) 107.0L x 66.0W x 37.0H (mm)
Case Material		Black 94V0 Polycarbonate
Cord and Connectors		6ft. 2 Conductor, 18AWG, AULT#3 Connector. Other connectors are also available.

SL Power Electronics Corp + 6050 King Drive + Ventura, CA 93003 + Phone:805.486.4565 + Fax:805.487.8911 + Email:info@slpower.com + www.slpower.com

0-10,000 feet

PW174 Universal 40-70 Watt Series

ITE / Switch Mode Power Supply

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

	Output	Output (Currents	Мах	Rinnle
Ault Part Number	Voltage	Min	Мах	Watts	Vp-p max.
PW174KA05XX**	5 V	0.00 A	8.00 A	40.0 W	120 mV
PW174KA09XX**	9 V	0.00 A	6.00 A	54.0 W	180 mV
PW174KA12XX	12 V	0.00 A	5.00 A	60.0 W	120 mV
PW174KA15XX	15 V	0.00 A	4.00 A	60.0 W	180 mV
PW174KA18XX	18 V	0.00 A	3.40 A	61.2 W	180 mV
PW174KA24XX	24 V	0.00 A	2.70 A	64.8 W	240 mV
PW174KA48XX*	48 V	0.00 A	1.46 A	70.0 W	480 mV

Ault Part Number Key				
PW174	К	А	12	XX
Product Family Name	Manufacturing Location	Design Revision Changes	Voltage DC	Connector Number

Input Configuration

IEC320 w/ground C14 (F)

Pin Connections



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
\ge 10 to \le 250 watts	≤ 0.75 watts

*Does not meet Energy Star requirements

**Does not meet Energy Star criteria; requires special output connector - contact your SL Power representative for more information.



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