PW174KB

Universal 60 – 65 Watt Series



ITE Switch-Mode Power Supply

3 Year Warranty

All Specifications are typical at nominal input, full load at 25°C unless otherwise stated.

Cable: 18AWG, 1500mm, 2 conductor. Connector: 2.5mm barrel type (Ault #3) connector, center contact (+). Other connector options are

- •100-240VAC Universal Input
- Desktop Style
- •9V to 48V Single Output Models, up to 65W
- Modified and Custom Designs Available
- Regulated Output with Low Ripple
- Impact-Resistant Polycarbonate Enclosure
- No load Power Consumption < 0.5W
- •Meets EISA Requirements (see next page for details).
- •Meets Energy Star Level IV



Specifications

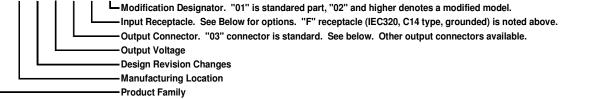
International Safety Standard Approvals





AC Input	MTBF
100-240VAC, -/-10%, 47-63 Hz, 1Ø.	>100,000 hours (calculated)
Input Current	Hold-up Time
90VAC: 1.5A	18 ms min. @ 120VAC
Inrush Current	Overvoltage Protection
Inrush limiting provided.	Built-in
Input Fuses	Overload Protection
Internal Primary Current Fuse is provided.	Hiccup Mode
Efficiency	Short Circuit Protection
Meet EISA Requirements – see page 2	Hiccup Mode
Output Voltage	Topology
See chart.	Switching – Fixed Frequency Flyback
Output Power	Approvals and Safety Standards
See chart	EN/IEC/CSA/UL60950-1, EMC: EN55022/55024/61000
Ripple and Noise	Dielectric Withstand
1% pk-pk max., 20MHz BW	Input-Output: 3000VAC, Input-GND: 1500VAC, Output-GND: 500VDC
Line & Load Voltage Regulation	Operating Temperature
Excluding Cord: Line: +/- 1%, Load: +/-5%.	0° to 40°C, no derating
Transient Response	Storage Temperature
500µs max., 50% load step, typical	-30 to +85°C.
Minimum Load	Relative Humidity
Not required.	5% to 95%, non-condensing
Case Material:	Altitude
Black 94V0 Polycarbonate	0 to 10,000 ft.

Case Material: Black 94V0 Polycarbonate Case Dimensions: See outline drawing.



Output Connections:

available.

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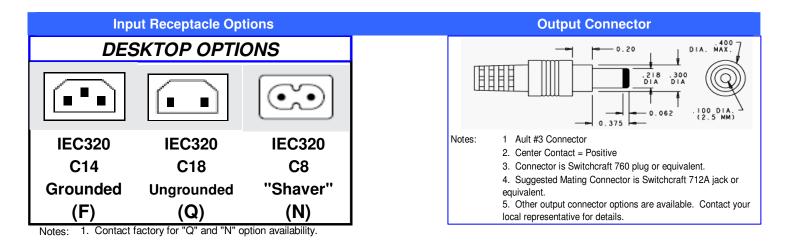
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Model Number	Volts (V)	Output Current (max)	Max Watts	Ripple (Vp-p max)
PW174KB0903F01	9 V	6.00 A	54.0 W	90mV
PW174KB1203F01	12 V	5.00 A	60.0 W	120mV
PW174KB1503F01	15 V	4.00 A	60.0 W	150mV
PW174KB1803F01	18 V	3.40 A	61.2 W	180mV
PW174KB2403F01	24 V	2.70 A	64.8 W	240mV
PW174KB4803F01	48 V	1.46 A	70.0 W	480mV

Notes: Part numbers above include #3 output connector and IEC320 C14 grounded input receptacle. See below for other options.

9V and 48V models are not compliant to EISA, nor do they meet Energy Star level IV.



2007 Energy Independence and Security Act - EISA

The Energy Independence and Security Act of 2007 was passed in December of 2007 and addresses minimum efficiency standards and standby levels for Class A external power supplies that are 250 Watts and under. This law stipulates that external power supplies manufactured on July 1, 2008 and beyond meet certain minimum efficiency and standby criteria as defined below.

Minimum Efficiency Criteria:

Active mode is defined as when a power supply's input is connected to a line voltage AC and it's output is connected to a DC or AC load, drawing a portion of the product's power output. Depending upon the power rating for the power supply, it must meet the minimum efficiency criteria outlined below.

Energy-Efficiency Criteria for Active Mode:

3,			
Output Power on Adapter Label	Minimum Average Efficiency Percentage		
0 to < 1 Watt	\geq 0.50 * output power on the label		
> 1 watt to \leq 51 watts	\geq [0.09 * Ln (output power on adapter label)] + 0.50		
> 51 watts	≥ 0.85		
Energy Consumption Criteria for No Load Mode:			
The power supply must also meet a requirement for when its input is connected to line voltage AC but its output is not connected to a load			

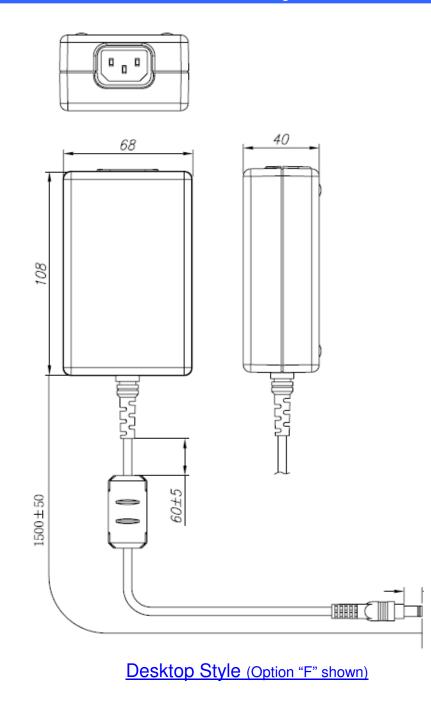
The power supply must also meet a requirement for when its input is connected to line voltage AC but its output is not connected to a load.				
Depending upon the power output of the supply, it must keep its energy consumption below the following values:				
Output Power on Adapter Label	Maximum Power Consumption in No-Load Mode			
0 to < 250 Watts	≤ 0.50 watts			



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Outline Drawings



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