

## PW106 Universal 40-70 Watt Series

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## Features

Universal Input 100 to 250VAC  
 Desktop Style  
 Single Output to 40-70W  
 Regulated Output with Low Ripple  
 Meets Safety Agency Requirements  
 Complies with EMI/RFI Regulations  
 CE Compliant  
 Impact Resistant Polycarbonate Enclosure  
 Private Label Marking Available  
 3 Year Warranty  
 Modified and Custom Designs Also Available



Model	Voltage DC (V)	Maximum Current (A)	Maximum Watts (W)	Ripple Vp-p max. (mV)
PW106-KA-05-XX	5	8.00	40.0	50
PW106-KA-09-XX	9	5.60	50.4	90
PW106-KA-12-XX	12	5.00	60.0	120
PW106-KA-16-XX	16	4.01	64.2	160
PW106-KA-18-XX	18	3.70	66.6	180
PW106-KA-24-XX	24	2.90	69.6	240
PW106-KA-48-XX	48	1.45	69.6	480

K : Manufacturing Location

A : Design Revision Changes

XX : Connector Number

### Input

Voltage	100 to 250VAC -10%, +6%
Line Frequency	47 to 63 Hz
Current	1.0A max. at 90VAC Input
Protection	Internal Primary Current Fuse, Inrush Limiting
Configuration	<b>IEC320-C14</b> with Ground <b>IEC320-C8</b> No Ground
PFC	Min 0.8-0.9

### Electrical

Topology	Switching - PFC, Half Bridge
Dielectric	3,000VAC or 4,250VDC
Withstand	Primary-Secondary
Leakage Current	Less than 0.75mA at 265VAC 50Hz
Spacing	6.4mm Primary-Secondary
Efficiency	Min 80%
EMI	Complies with EMC Directives
CE	CE Compliant
MTBF	100,000 Calculated Hours

### Output

Combined Line and Load	+/- 1% (excluding cord)
Voltage Regulation	
Ripple	1% Vp-p max.
Transient Response	0.5ms for 50% Load change Typ.
Hold-up Time	18ms min. @120VAC 18ms min. @240VAC
Protection	Over-current Protection (Hiccup) Short Circuit Protection

### Environmental

Operating Temp	0°C to 40°C with no derating
Storage Temp	-30°C to 85°C
Relative Humidity	5% to 95% non-condensing
Altitude	0 - 10,000 feet
Cooling	Convectional - Non vented case

### Safety Approvals

Agency Listings	UL60950-1, IEC/EN60950-1
	EMC : EN55022 / 55024 / 61000
	K60950

### Mechanical

Case and Dimension	LP7 - Desktop 5.08(L) x 3.05(W) x 1.59(H) [in] 129(L) x 77(W) x 40(H) [mm]
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	6ft. 2 Conductor, 18AWG, AULT#3 Connector. Other connectors are also available.

## Three Year Warranty