




WALL MOUNT AND DESK TOP SWITCHING POWER SUPPLIES 5-100 WATTS

EXT SERIES

FEATURES

- Universal AC input
- Single and dual outputs
- Worldwide agency approval
- 100% Burn-in, hi pot tested
- High quality
- Superior performance
- Smaller than competitive units
-  Marked

HiTek

Power

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DESCRIPTION

The **EXT Series** is a line of external switch mode power supplies available in wall mount or desk top configuration. The **EXT Series** offers a wide selection of models with single and dual outputs. Standard models cover a power range from 5 watts through 100 watts. All units have a wide range AC Input and selected models are offered with power factor correction. Units are available with optional AC line cord and IEC320 AC receptacle configurations.

SPECIFICATION

AC Input Specifications

Input Voltage:	90-264V AC, model PDS is offered with Power Factor Correction.
Input Frequency:	47-63 Hz, Model PDS: 47-440 Hz.
Inrush Current:	(Cold Start): 15A (max)@115V AC, 30A (max)@230V AC, 50A (max) for 100W models
Efficiency:	65% Typical @ Full Load, 80% for 100W models.

DC Output Specifications

Output Voltage:	See Model Chart
Voltage Adjust:	Main output (V1) +/-5% of rated output. (user adj. on model PDS)
Output Current:	See Model Chart
Output Power (Watts):	See Model Chart.
Line Regulation Max:	+/-1%
Load Regulation Max:	+/-5%
Line/Load Reg. for PDS:	+/-2%
Ripple and Noise:	1% p-p
Turn-On Delay:	1 sec.max.@ 120V AC
Overshoot:	10% max. of rated output at turn-on. Model PDS: 0%
Hold-up time:	20msec @ 120V AC

Environmental Conditions

Operating Temp:	0 to 40° C
Storage Temp:	-20 to 85° C
Operating Humidity:	8 to 90%, non-condensing
Storage Humidity:	5 to 95%, non-condensing
Vibration:	5-50Hz, X, Y, Z axis, acceleration: +/-7.35M/s ²
Temperature Coefficient:	.02%/ °C.
Model PDS:	1%...
Cooling:	Convection cooled

Safety Specifications

Safety:	UL, cUL, TUV, CE
Emmissions:	FCC Part 15, class B, VDE0871, class A

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MODEL SELECTION CHART

EXT Series/Wall Mount Models					
Output Power	Model Number	Output Ratings			Dimensions (L x W x H)
		Output V1	Output V2		
Single Output Models					
5W	PUAA050	5V @ 1.0A			2.9 x 1.9 x 1.6
5W	PUAA052	5V @ 1.0A			2.9 x 1.9 x 1.6
5.4W	PUAA090	9V @ 0.6A			2.9 x 1.9 x 1.6
5.4W	PUAA092	9V @ 0.6A			2.9 x 1.9 x 1.6
6W	PUAA120	12V @ 0.5A			2.9 x 1.9 x 1.6
6W	PUAA122	12V @ 0.5A			2.9 x 1.9 x 1.6
9W	PERI050	5V @ 1.8A			2.9 x 1.3 x 2.0
9W	PUAA094	9V @ 1.0A			2.9 x 1.9 x 1.6
9.6W	PERI120	12V @ 0.8A			2.9 x 1.3 x 2.0
9.6W	PUAD081	8V @ 1.2A			2.9 x 1.9 x 1.6
10W	PUAA054	5V @ 2.0A			2.9 x 1.9 x 1.6
Dual Output Models					
7.6w	PERI601	5V @ 0.8A	12V @ 0.3A		2.9 x 1.3 x 2.0
EXT Series/Desk Top Models					
Power Watts	Number Model No	Output Ratings			Dimensions (L x W x H)
		Output V1	Output V2	Output V3	
Single Output Models					
5W	PUAA051	5V @ 1.0A			4.5 x 2.0 x 1.7
5.4W	PUAA091	9V @ 0.6A			4.5 x 2.0 x 1.7
6W	PUAA121	12V @ 0.5A			4.5 x 2.0 x 1.7
9W	PUAA093	9V @ 1.0A			4.5 x 2.0 x 1.7
10W	PUAA053	5V @ 2.0A			4.5 x 2.0 x 1.7
15W	PMIC050	5V @ 3.0A			4.2 x 2.4 x 1.2
18W	PMIC120	12V @ 1.5A			4.2 x 2.4 x 1.2
20W	PUAW050	5V @ 4.0A			4.3 x 2.5 x 1.5
30W	PUAE051	5V @ 6.0A			4.3 x 2.5 x 1.5
30W	PUAE120	12V @ 2.5A			4.3 x 2.5 x 1.5
36W	PUAE240	24V @ 1.5A			4.3 x 2.5 x 1.5
40.5W	PECO090	9V @ 4.5A			5.0 x 2.5 x 1.5
42W	PECO120	12V @ 3.5A			5.0 x 2.5 x 1.5
48W	PECO240	24V @ 2.0A			5.0 x 2.5 x 1.5
50W	PECO200	20V @ 2.5A			5.0 x 2.5 x 1.5
80W	PDS08002	12V @ 6.7A			6.8 x 3.9 x 1.9
100W	PDS10004	24V @ 4.2A			6.8 x 3.9 x 1.9
100W	PDS10009	48V @ 2.1A			6.8 x 3.9 x 1.9
Dual Output Models					
17W	PMIC601	5V @ 1.0A	12V @ 1.0A		4.2 x 2.4 x 1.2
25W	PUAE604	5V @ 2.5A	12V @ 1.0A		4.3 x 2.5 x 1.5
26W	PUAE601	5V @ 1.5A	12V @ 1.5A		4.3 x 2.5 x 1.5
29W	PUAE603	5V @ 1.0A	12V @ 2.0A		4.3 x 2.5 x 1.5
34W	PUAE602	5V @ 2.0A	12V @ 2.0A		4.3 x 2.5 x 1.5

Note: All dimensions are in inches.

Design developments may result in specification changes



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The EXT Series is now produced by HiTek Power, the worlds leading manufacturer of high and low voltage power supplies.

This consolidation of high and low voltage products is aimed at providing our customers with a greater range of power solutions from a single source.

HiTek Power, design and manufacture high and low voltage power supplies for such applications as Ion Implantation, Lasers, Photomultipliers and X-ray systems.

Please contact HiTek Power sales for further details.