



# 40W AC-DC Desktop Power Supply PSD40ExxxK3

- Universal AC Input 90 – 264 VAC
- Low Voltage Power Supply
- No minimum load requirement
- 100 % burn in test
- Standard: CE, UL, cUL, FCC
- CEC & DOE Efficiency Level VI, ErP Tier2 and RoHS compliant

**40W AC-DC Desktop Power Supply PSD40ExxxK3**

# Model Selection Guide

Item	Input nominal Voltage [VAC]	Input current Full-load [mA]	Output voltage [VDC]	Output current Max. [mA]
<b>PSD40E120K3</b>	90 - 264	1000	12	3000
<b>PSD40E150K3</b>	90 - 264	1000	15	2700
<b>PSD40E190K3</b>	90 - 264	1000	19	2100
<b>PSD40E240K3</b>	90 - 264	1000	24	1700

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# Specifications

### Input

1	Input Voltage	AC 90V – 264V Universal full range
2	Frequency Rated	50 – 60 Hz (47 – 63Hz)
3	Input Rated Current	Max. 1.0 A RMS
4	Inrush Current @ Cool start	No damage. On power when switching on/off repeatedly under any condition
5	Leakage Current	< 3.5mA
6	Average Efficiency	Min. 87.4% (CEC & DOE Level VI compliant) Min. 87.4% (ErP Compliant) Min. 88.3% (EC COC Tier 2 compliant)
7	Input Power (no load)	<0.1W (CEC & DOE Level VI compliant) <0.1W (ErP Compliant) <0.075W (EC COC Tier 2 compliant)

### Output

8	Output Voltage	See model selection guide
9	Output Current max.	See model selection guide
10	Output Current min.	0A
11	Load regulation	± 5%
12	Over Voltage Protection	≤ 16V
13	Over Load Protection	≤ 5A output load
14	Short Circuit Protection	Yes (Output shut down and auto restart)
15	Ripple Voltage (Full load)	Max. 200mV (p-p) at 100-240V AC Input *1)

*(1). Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 10uf aluminum electrolytic capacitor and 0.1uf ceramic capacitor.*

### Others

16	Hi-pot Specification (input to output)	I/P-O/P : 3000Vac OR 4242VDC, 10mA 60Sec. (between primary side and secondary side.)
17	Insulation Resistance (input to output)	500VDC to test the input to output not to be less 100MΩ
18	Cooling	Natural Cooling
19	RoHS compliant	Yes

### Environment

20	Temperature	Operating : 0°C to +40°C Storage : -10°C to +70°C
21	Humidity	Operating : 20% to 80% Storage : 10% to 90%
22	Packaging	white folding box

## 40W AC-DC Desktop Power Supply PSD40ExxxK3

# Specifications

### ■ Cable & Connectors

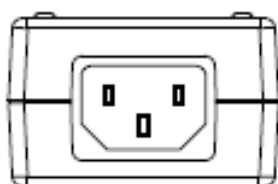
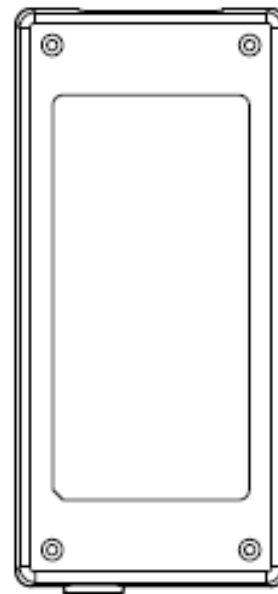
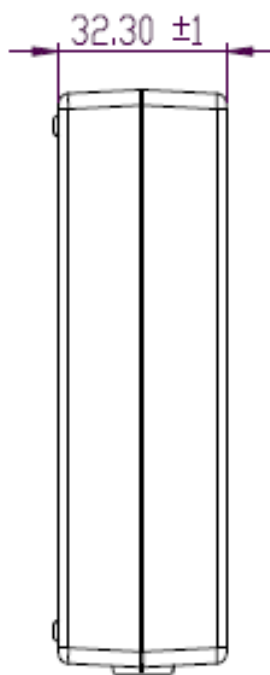
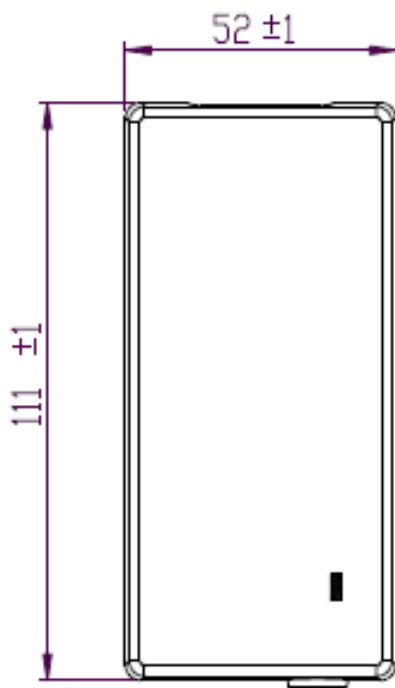
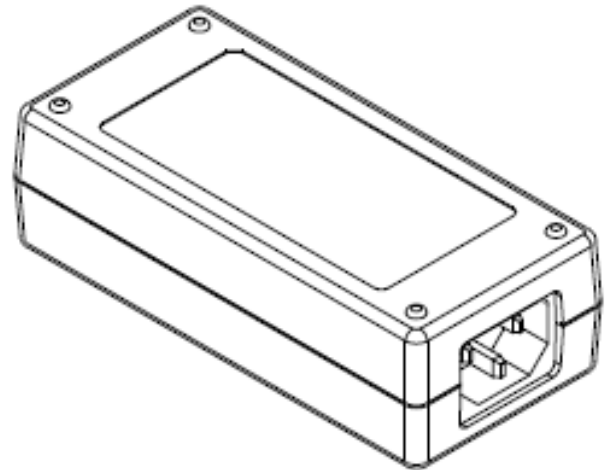
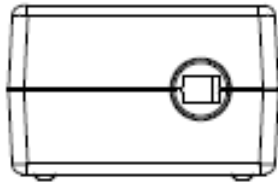
23	AC Plug	Inlet IEC-60320 / Type C14 (3-Pin)
24	DC Plug	DC power plug: OD 5,5mm / ID 2,1mm / L 12mm
25	DC Cable	2 wire AWG18 for 12, 15, 19 and 24VDC version

### ■ Safety & EMC

26	Europe	EMC	EN61204-3:2000, Class B EN55032:2012+AC:2013, Class B EN55024:2010
		LVD Safety ErP	2014/35/EU, EN 62368-1:2014/A11:2017 EN 62368-1:2014 / A11:2017 2019/1782
		Safety	UL62368-1 CSA C22.2 No. 62368-1 FCC Part 15 Subpart B Class B
27	North America		

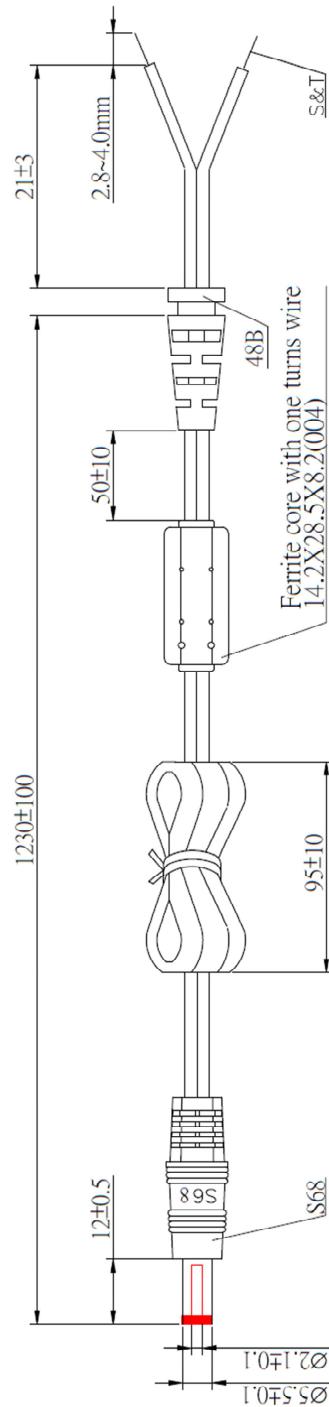
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# Dimensions



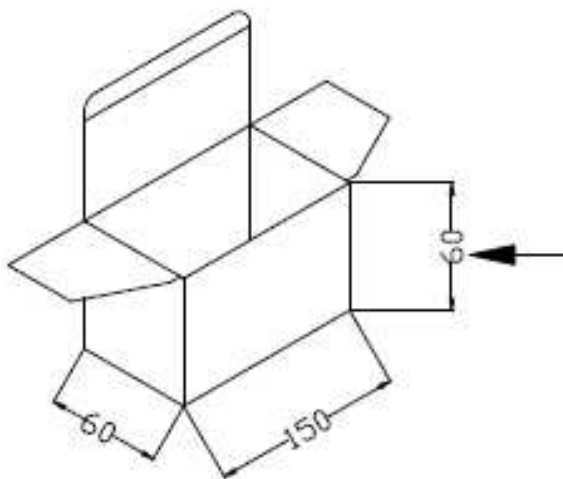
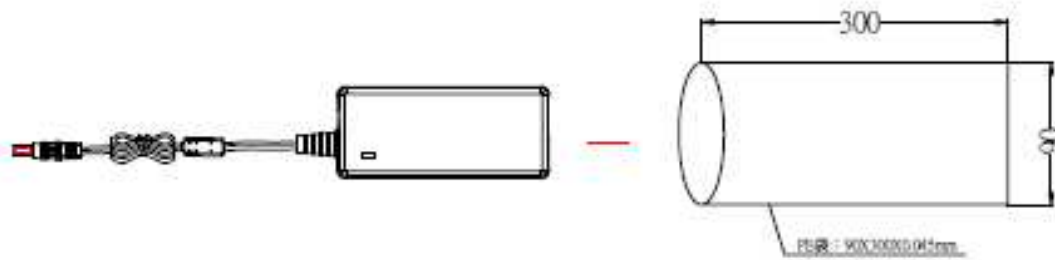
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# DC cable / connector



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Others / Drawings



White Box: NO.195  
**小礼盒号码 195#**  
(單坑扣底)

## 40W AC-DC Desktop Power Supply PSD40ExxxK3

# Accessories

AC-cables	Cable	AC-Plug	Appliance Outlet
H7M300	3-pole instrument cable, L=1.8m	Swiss-Plug	C13
H7M301	3-pole instrument cable, L=1.8m	Schuko-Plug	C13
H7M302	3-pole instrument cable, L=1.8m	US-Plug	C13
H7M303	3-pole instrument cable, L=1.8m	AUS-Plug	C13
H7M304	3-pole instrument cable, L=1.8m	UK-Plug	C13

AC-cables need to be ordered separately.



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# Contact

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### HY-LINE AG

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HY-LINE AG ist Spezialist für Batterien und Systeme. Im Fokus stehen neben Standardbatterien und Lade- und Wartungssysteme die Entwicklung und Konzeption von kundenspezifischen Batterien und Systemen.

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