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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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Find the *National Instruments SPA40-3555* at our website: ***Click HERE***

Contents	GLOBAL COMPONENTS

This is an interactive PDF file, just click on the category to go to the correct page.

1 Switching Power Supplies

- SPA5 series plug-in switching power adaptor. Up to 6 watts output
- SPA10 & SPA10N series plug-in & table-top switching power adaptor. Up to 12 watts output
- SPA15 series table-top switching power adaptor. Up to 24 watts output
- SPA25 & SPA25N series plug-in & table-top switching power adaptor. Up to 30 watts output
- SPA40 series table-top switching power adaptor. Up to 48 watts output
- SPA70 series table-top non-regulated switching power adaptor. Up to 72 watts output

2 Output Plugs

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Features

- Many of our switching power supplies have received agency approvals. The SPA5 , SPA10 , SPA15 , SPA25 , SPA40 and SPA70 series cover a wide range of input and output ratings. Many other agency approvals are pending. Please ask for an up-to-date listing.
- These high quality units are suggested for applications such as consumer products, medical products, computer products, etc.
- UL 1950, CSA 22.2 No.234 and TUV listing apply to many of these
- A wide variety of output plugs are offered on pages 5.
- Single and multiple output.
- 1.5 watts to 60 watts.
- Warranty: one year.
- Modified and custom designs also available, including smart chargers
- UL file no:E152327 CSA file no: LR66977

Specification

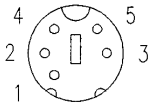
- Ac input voltage: 90Vac to 264Vac
- Ac input frequency: 47Hz to 63Hz
- Inrush current cold start: 30A Max
- Efficiency: 80% typical
- Holdup time: 16ms AT 115Vac
- Line regulation: +/- 1%
- Load regulation: +/- 5%
- Overvoltage protection:130% AT main output
- Overload protection: 150% AT 115Vac
- Operation temperature: 0 °C to 40 °C
- Operation relative humidity: 0 to 90%
- 100% at full load burn-in test
- EMI meet FCC, FTZ class “B” standard and EMC Direct

Output connector assignments

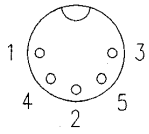
Connector pin assignments

Pin 1	Common
Pin 2	Common
Pin 3	Output 1
Pin 4	Output 3
Pin 5	Output 2

5 Pin mini din connector



5 Pin din connector



Part-numbering System

Triple Output

SPA15	-	3	5	2	2	A	Series number
							Output voltage 3
							Output voltage 2
							Output voltage 1
							Triple output
							Series name

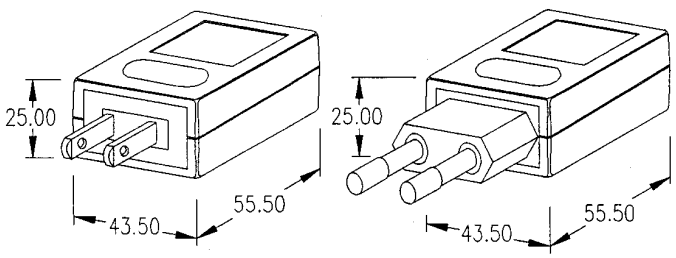
Dual Output

SPA15	-	2	5	1	2	A	Series number
							Output voltage 2
							Output voltage 1
							Dual output
							Series name

Single Output

SPA15	-	1	0 5	3	0	A	Series number
							Output current
							Output voltage
							Single output
							Series name

SPA5 series

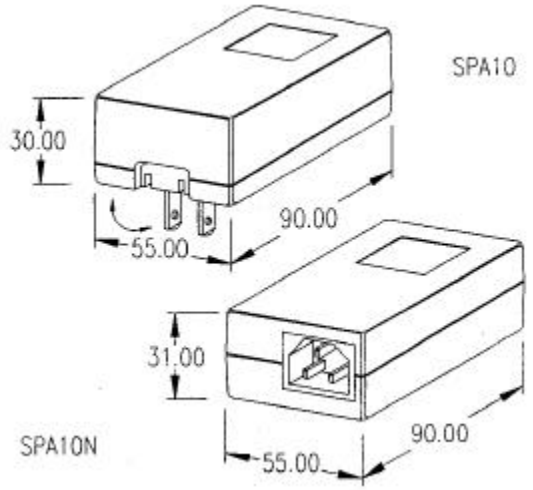


Model no	Voltage V	Current A	Safety
SPA5- 10310	3.0	1.00	
SPA5- 10410	4.5	1.00	
SPA5- 10510	5.0	1.00	
SPA5- 10608	6.0	0.80	
SPA5- 10707	7.5	0.70	
SPA5- 10906	9.0	0.60	
SPA5- 11205	12.0	0.50	

U=UL C=CSA T=TUV S=SEMKO B=BS A=SAA M=T Mark E=CE

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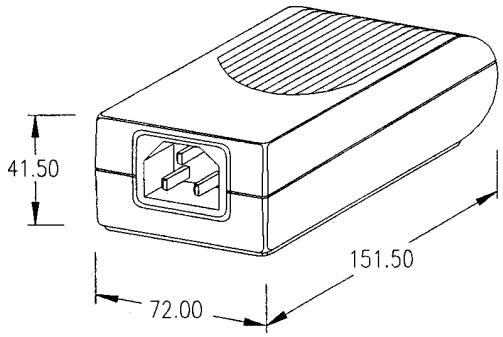
SPA10 series



Model no	Output 1		Output 2		Output 3		Safety
	V	A	V	A	V	A	
SPA10- 3522	+5.0	1.00	+12.0	0.25	- 12.0	0.25	U C T E
SPA10- 3525	+5.0	1.00	+12.0	0.25	- 5.00	0.25	U C T E
SPA10- 2512	+5.0	1.00	+12.0	0.25			U C T E
SPA10- 21212	+12.0	0.30	- 12.0	0.30			U C T E
SPA10- 10320	+3.0	2.00					U C T E
SPA10- 10420	+4.5	2.00					U C T E
SPA10- 10520	+5.0	2.00					U C T E
SPA10- 10618	+6.0	1.80					U C T E
SPA10- 10715	+7.5	1.50					U C T E
SPA10- 10913	+9.0	1.30					U C T E
SPA10- 11210	+12.0	1.00					U C T E
SPA10- 11508	+15.0	0.80					U C T E
SPA10- 11607	+16.0	0.75					U C T E
SPA10- 11806	+18.0	0.65					U C T E
SPA10- 12405	+24.0	0.50					U C T E

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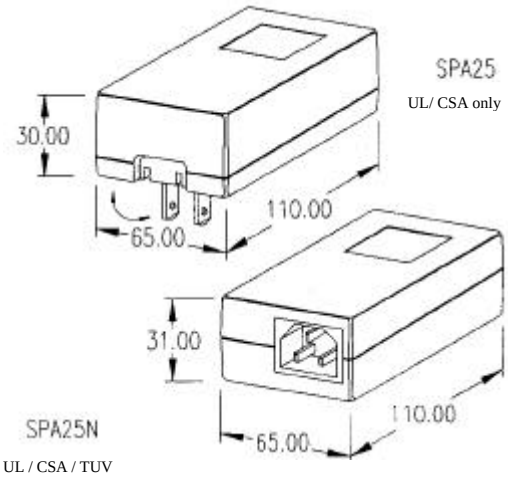
SPA15 series



Model no	Output 1		Output 2		Output 3		Safety
	V	A	V	A	V	A	
SPA15- 3522	+5.0	2.00	+12.0	0.25	- 12.0	0.25	U C T E
SPA15- 3522A	+5.0	2.00	+12.0	0.50	-12.0	0.10	U C T E
SPA15- 3525	+5.0	2.00	+12.0	0.25	- 5.0	0.25	U C T E
SPA15- 2512	+5.0	2.00	+12.0	0.50			U C T M E
SPA15- 2524	+5.0	2.00	+24.0	0.25			U C T E
SPA15- 10530	+5.0	3.00					U C T E
SPA15- 10625	+6.0	2.50					U C T E
SPA15- 10825	+8.0	2.50					U C T E
SPA15- 10920	+9.0	2.00					U C T E
SPA15- 11112	+11.0	1.20					U C T E
SPA15- 11215	+12.0	1.50					U C T E
SPA15- 11510	+15.0	1.00					U C T E
SPA15- 11610	+16.0	1.00					U C T E
SPA15- 11810	+18.0	1.00					U C T E
SPA15- 12010	+20.0	1.00					U C T E
SPA15- 12410	+24.0	1.00					U C T E

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SPA25 series



UL / CSA / TUV

Model no	Output 1		Output 2		Output 3		Safety
	V	A	V	A	V	A	
SPA25- 3522	+5.0	2.00	+ 12.0	1.00	- 12.0	0.25	U C T E
SPA25- 3525	+5.0	2.00	+ 12.0	1.00	- 5.00	0.25	U C T E
SPA25- 2512	+5.0	2.00	+ 12.0	1.00			U C T E
SPA25- 2524	+5.0	2.00	+ 24.0	0.50			U C T E
SPA25- 21212	+12,0	0.50	-12,0	0.50			U C T E
SPA25- 10545	+5.0	4.50					U C T E
SPA25- 10640	+6.0	4.00					U C T E
SPA25- 10733	+7.5	3.30					U C T E
SPA25- 10928	+9.0	2.80					U C T E
SPA25- 11221	+12.0	2.10					U C T E
SPA25- 11517	+15.0	1.70					U C T E
SPA25- 11616	+16.0	1.60					U C T E
SPA25- 11814	+18.0	1.40					U C T E
SPA25- 12013	+20.0	1.30					U C T E
SPA25- 12411	+24.0	1.10					U C T E

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New !!! 30W for SPA25 / SPA25N CASE — SPA25 series

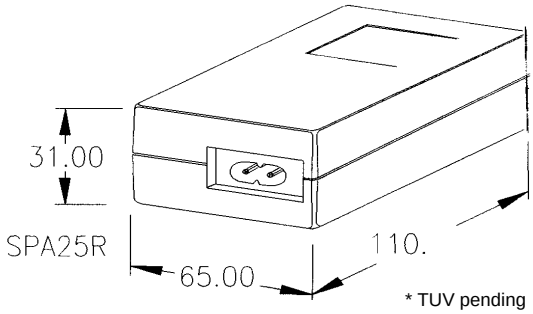
See Page 3 for dimensions

Model no	Voltage V	Current A	Safety
SPA25- 10930	+ 9.0	3.00	U C T E
SPA25- 11030	+10.0	2.80	U C T E
SPA25- 11225	+12.0	2.40	U C T E
SPA25- 11520	+15.0	2.00	U C T E
SPA25- 11619	+16.0	1.90	U C T E
SPA25- 11817	+18.0	1.70	U C T E
SPA25- 12015	+20.0	1.50	U C T E
SPA25- 12413	+24.0	1.30	U C T E

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Note: SPA 25 is UL/cUL, SPA 25N is UL / cUL / TUV / CE

New !!! 30W for SPA25R Case — SPA25R series



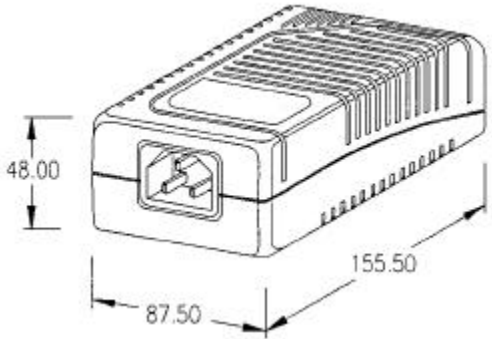
* TUV pending

Model no	Voltage V	Current A	Safety
SPA25R- 10930	+ 9.0	3.00	U C T*
SPA25R- 11030	+10.0	2.80	U C T*
SPA25R- 11225	+12.0	2.40	U C T*
SPA25R- 11520	+15.0	2.00	U C T*
SPA25R- 11619	+16.0	1.90	U C T*
SPA25R- 11817	+18.0	1.70	U C T*
SPA25R- 12015	+20.0	1.50	U C T*
SPA25R- 12413	+24.0	1.30	U C T*

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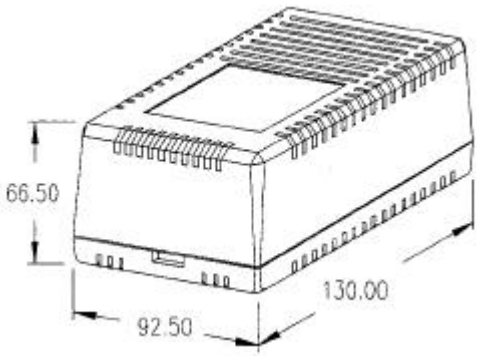
Note: All items on page 3 under SPA 25 are UL / cUL approved for SPA 25R case

SPA40 series



Model no	Output 1		Output 2		Output 3		Safety
	V	A	V	A	V	A	
SPA40- 3522	+5.0	3.00	+12.0	2.00	- 12.0	0.30	C T E
SPA40- 3525	+5.0	3.00	+12.0	2.00	- 5.0	0.30	C T E
SPA40- 3555	+5.0	3.00	+15.0	1.50	-15.0	0.30	C T E
SPA40- 3555A	+5.0	4.00	+15.0	0.75	-15.0	0.50	C T E
SPA40- 3542	+5.0	3.00	+24.0	1.00	-12.0	0.30	C T E
SPA40- 2512	+5.0	3.00	+12.0	2.00			C T E
SPA40- 2512A	+5.0	5.00	+12.0	1.00			C T E
SPA40- 2524	+5.0	3.00	+24.0	1.00			C T E
SPA40- 10570	+5.0	7.00					C T E
SPA40- 10660	+6.0	6.00					C T E
SPA40- 10850	+8.0	5.00					C T E
SPA40- 10945	+9.0	4.50					C T E
SPA40- 11235	+12.0	3.50					C T E
SPA40- 11530	+15.0	3.00					C T E
SPA40- 11630	+16.0	3.00					C T E
SPA40- 11825	+18.0	2.50					C T E
SPA40- 12420	+24.0	2.00					C T E

C=CSA NRTL/C T=TUV S=SEMKO B= BS A=SAA M=T Mark E=CE



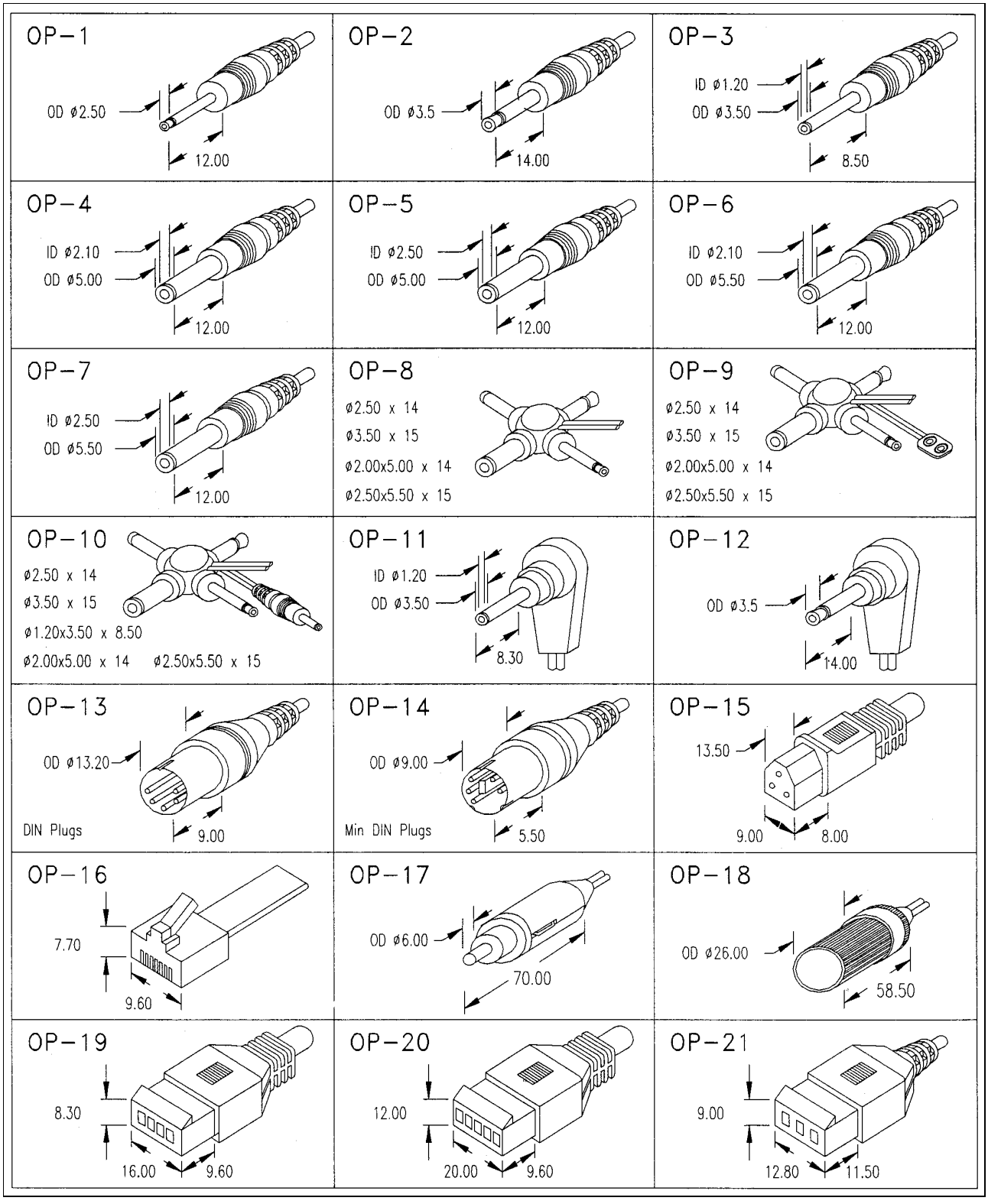
Non-Regulated / Regulated Switching Power Supply — SPA60 / SPA70

Model no	Voltage V	Current A	Safety
SPA70- 11260	12.0	6.00	
SPA70- 11550	15.0	5.00	
SPA70- 11645	16.0	4.50	
SPA70- 11840	18.0	4.00	
SPA70- 12430	24.0	3.00	

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Standard Output plugs (we can also use a customer specified plug)



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