

# SRV SERIES Power Supply Specification

## KEY FEATURES

SRV Series AC-DC: Convert 120VAC into 13.75VDC, with five types of output current 32A, 45A, 55A, 60A and 75A.

- Resistant to transient high current, be able to light tungsten lamp
- High efficiency
- Three charging: BULK, NORMAL, FLOAT
- Over current protection, Over voltage protection
- Short-circuit protection
- Forced air cooling and overheat protection
- EMI functions
- Easy to mount
- High reliability, MTBF>100,000 hrs



### Safety Standards



CB Certified for worldwide use

## SPECIFICATION

Model	Output Voltage	Output Power	Output Current	Input Current	Output Ripple Noise
<b>SRV32</b>	13.75 Vdc	440W	32A	6A	300mV
<b>SRV45</b>	13.75 Vdc	620W	45A	8A	300mV
<b>SRV55</b>	13.75 Vdc	760W	55A	9A	300mV
<b>SRV60</b>	13.75 Vdc	825W	60A	10A	300mV
<b>SRV75</b>	13.75 Vdc	1030W	75A	13A	300mV

### INPUT CHARACTERISTICS

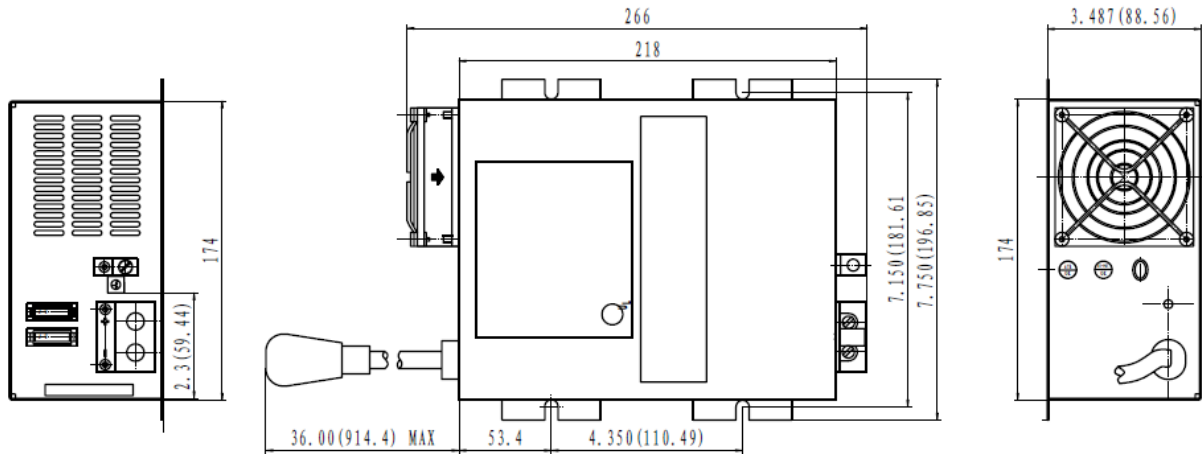
AC Input Voltage	Rating	120 Vac
	Range	105-130 Vac
AC Input Current		See table above
Inrush Current		<75A @120Vac
Power Factor		N/A

### OUTPUT CHARACTERISTICS

Output Voltage	13.75 Vdc
Output Voltage Range	13.2-14.4 Vdc
Output Power	See table above
Efficiency	Typical values 80% @ 120 Vac
Hold-Up Time	20ms @120Vac
Startup Time	1000mS Max
Load Regulation	1%Vdc
Line Regulation	0.5%Vdc
Three Charging	BULK, NORMAL, FLOAT
Over Load Protection	105-120%, Auto resetting
Short Circuit Protection	Continuous, Auto resetting
Over Voltage Protection	115-125%, Auto resetting

Overtemp Protection	Auto resetting
Hi-pot	I/P-O/P:1.5KVac,I/P-FG:500Vac,O/P-FG:500Vac
<b>ENVIRONMENTAL REQUIREMENTS</b>	
Operating Temperature	0°C-45°C
Storage Temperature	-25°C -85°C
Operating Humidity	10 - 90% RH, non condensing
Storage Humidity	5 - 95% RH non condensing
Cooling	Internal fan
Vibration	IEC 68-2-6
Shock	IEC 68-2-27
<b>SAFETY &amp; EMC REQUIREMENTS</b>	
Safety Approvals	UL 458
EMC/Emissions	FCC15, A
RoHS Compliance	Compliant to EU Directive 2002/95/EC
<b>OTHERS</b>	
Reliability	100,000hrs at MIL HDBK 217F, 25°C
Pollution Standard	EN50178 Class 2
Warranty	3 Years
Size (WxDxH)	173mm (6.8") x 216mm (8.5") x 86mm (3.4")
Weight	2.6-3.5 kg
<b>CONNECTORS</b>	
Input AC	J1 : (Pin1) L, (Pin2) N, (Pin3) Ground,
Output DC	J2 : (Pin1) V-, (Pin2) V+,

## MECHINICAL REQUIREMENTS



### Note:

- All parameters are specified at 120Vac, 25°C ambient and after a 5 min run-in time, unless otherwise noted.
- We reserve the right to make changes in the product at any time, without prior notification.
- This table is a simplified version of the specification (REV: -J), if necessary, request the original specifications.

(2015/03/10 REV:B-J)



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