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SV/SVP Series

100W-300W power supplies

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Lambda's SV Series are the only 100W to 300W power supplies that offer either auto-selecting AC input or power factor corrected AC input in the same mechanical package. This allows you to optimize system cost, features and assembly time by integrating the model that best suits your application. Since the PFC and non-PFC models are form and fit compatible, the SV Series is a no-risk solution for systems that may require upgrading to power factor correction in the future.



The SV Series is available in 100W, 150W and 250W single output models, and 130W, 170W, 200W, & 300W multiple output models. For applications such as computer peripherals, embedded processes, and communications equipment, the SV Series provides unequaled cost, flexibility and performance.

- Low Profil**
- Broad Offerin**
- VDE/FCC Level B EM**
- Universal AC Inpu**
- Worldwide Safety Agenc Approval**
- System Interface Signal**
- Output Current Surg Capabilit**
- Low Cost and Sho Lead Tim**
- Covered or Uncovere**

SV/SVP Series Available Models

	POWER	OUTPUT 1	OUTPUT 2	OUTPUT 3	OUTPUT 4	MODEL
	100W	+5V@20A	-	-	-	SVS100-5
	100W	+5V@20A	-	-	-	SVPS10-5
	150W	+5V@30A	-	-	-	SVPS15-5
	150W	+5V@30A	-	-	-	SVS150-5
	250W	+5V@50A	-	-	-	SVPS25-5
	100W	+12V@8.3A	-	-	-	SVS100-12
Single Outputs	100W	+12V@8.3A	-	-	-	SVPS10-12
	150W	+12V@12.5A	-	-	-	SVS150-12
	150W	+12V@12.5A	-	-	-	SVPS15-12
	250W	+12V@20.8A	-	-	-	SVPS25-12
	250W	+15V@16.7A	-	-	-	SVPS25-15
	100W	+24V@4.3A	-	-	-	SVS100-24
	100W	+24V@4.3A	-	-	-	SVPS10-24
	150W	+24V@6.25A	-	-	-	SVS150-24
	150W	+24V@6.25A	-	-	-	SVPS15-24
	250W	+24V@10.5A	-	-	-	SVPS25-24
	250W	+48V@5.2A	-	-	-	SVPS25-48
		+5V@15A	+15V@2.5A	+-15V@1A	-	SVT115-2
	115W	+5V@15A	+15V@2.5A	+-15V@1A	-	SVPT115.2
	115W	+5V@15A	+12V@2.5A	+-12V@1A	-	SVT115-1

Triple Outputs	115W	+5V@15A	+12V@2.5A	+-12V@1A	-	SVPT115-1
	170W	+5V@22A	+12V@3.8A	+-12V@1.5A	-	SVT170-1
	170W	+5V@22A	+12V@3.8A	+-12V@1.5A	-	SVPT170-1
	300W	+5V@38A	+12V@6A	+-12V@3A	-	SVT300-1
	300W	+5V@38A	+12V@6A	+-12V@3A	-	SVPT300-1
Quad Outputs	130W	+5V@15A	+12V@2.5A	+-12V@1A	+24V@.8A	SVPQ130-1
	130W	+5V@15A	+12V@2.5A	+-12V@1A	+24V@.8A	SVQ130-1
	130W	+5V@15A	+12V@2.5A	+-12V@1A	+5V@1.5A	SVPQ130-2
	130W	+5V@15A	+12V@2.5A	+-12V@1A	+5V@1.5A	SVQ130-2
	130W	+5V@15A	+15V@2.5A	+-15V@1A	+24V@.8A	SVPQ130-3
	130W	+5V@15A	+15V@2.5A	+-15V@1A	+5V@1.5A	SVPQ130-4
	200W	+5V@22A	+12V@3.8A	+-12V@1.5A	+24V@1.5A	SVPQ200-1
	200W	+5V@22A	+12V@3.8A	+-12V@1.5A	+24V@1.5A	SVQ200-1
	200W	+5V@22A	+12V@3.8A	+-12V@1.5A	+5V@5A	SVPQ200-2
	200W	+5V@22A	+12V@3.8A	+-12V@1.5A	+5V@5A	SVQ200-2
	200W	+5V@22A	+15V@3.8A	+-15V@1.5A	+24V@1.2A	SVPQ200-3
	200W	+5V@22A	+15V@3.8A	+-15V@1.5A	+24V@1.2A	SVQ200-3
	300W	+5V@38A	+12V@6A	+-12V@3A	+24V@2A	SVPQ300-1
	300W	+5V@38A	+12V@6A	+-12V@3A	+24V@2A	SVQ300-1
	300W	+5V@38A	+12V@6A	+-12V@3A	+5V@8A	SVPQ300-2
	300W	+5V@38A	+12V@6A	+-12V@3A	+5V@8A	SVQ300-2
	300W	+5V@38A	+12V@6A	+-12V@3A	+12V@2A	SVPQ300-5

SV/SVP Series Specifications

AC Input	SV Models: 85-132VAC, 180-264 VAC (auto-selecting input) 47-63Hz.
Fusing	AC line is fused internally.
Power Factor Correction	IEC555-2 and EN60555-2 (SVP models only).
Input Transient Protection	IEEE C62.41-1991 location category A2.ENG1000-4 (-2,-3,-4,-5,-6,). IEC1000-4 (-2,-3,-4,-5,-6,). (A3 with external MOV"s). IEC801, -2, -3, 4, -5 Class 3.
Inrush Current Limiting	75A typical for cold startup at 25°C.
Surge Current Capability	Auxiliary outputs are capable of providing a 10 second surge of 3 times the output current rating with a 50% duty cycle. Total power must always remain within package ratings.
EMI	Conducted EMI conforms to FCC Part 15, Subpart J, Class B and VDE 0871, Curve B.
Output Voltage Adj Range	±5% user adjustable on single output models and on main output of multiples. Auxiliary outputs are fixed.
Line Regulation	0.5% from low line to high line.
Load Regulation	1% from no load to full load on main output. 5% for 50% load variation on auxiliaries.
Ripple and Noise	2% pk-pk typical.
Preload	25% preload required on the main output of SVT115 and SVQ130, and on +12V auxiliary output of SVT170, SVT300, SVQ200, SVQ300.
Overcurrent Protection	Limits output current to 140% (typical) of maximum rating on main output.
Overvoltage Protection	OV protection is provided on 5V single output models and main outputs of multiple output models. The unit will reset after input is recycled if O condition is removed.
Short Circuit Protection	All outputs are protected from temporary short circuits.
Cooling	Ratings are provided for convection cooling.
Operating Temperature Range	0°C to +60°C with derating above +50°C.
Storage Temperature	-30°C to +85°C.
Isolation	Input to output " 3000VRMS.

Vibration and Shock Monitoring Signals	Meets MIL-STD-810E specification for transportation. AC Power Fail and DC Output Good Signals (Open Collector, Conductance Signal) are standard features.
Remote Sensing	Remote sensing capability is provided on the single output models and main outputs only. (0.5V Maximum IR drop across load cables).
Input and Output Connections	Molex connectors, bussbars, terminal strips. Molex connectors only for SVS100, SVT115 and SVQ130 models.
Safety Agency Approval	UL1950, CSA22.2 No 234, VDE/EN60950, and CE mark (low voltage directive).
Option	Add Z for fully enclosed unit.
Warranty	1 year.

Similar Series

LW Chassis, Low Power, Low Profile

RP Higher Power, Multiple Outputs

SWT PCB Triple Output

ZW PCB Single Output

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