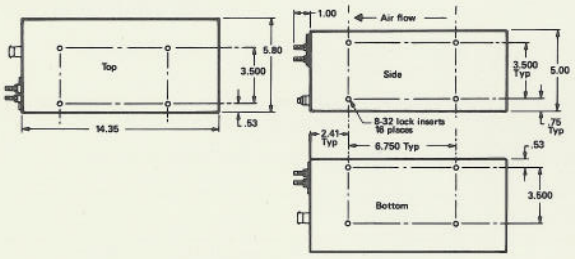
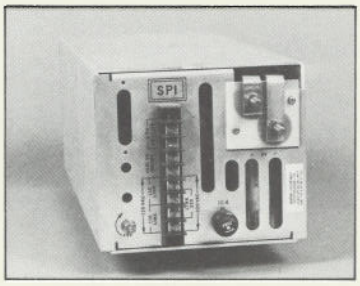
SWITCHING POWER INC

SV series for high performance, high power single voltage requirements.
75 to 300 amperes, 2 to 48 volts DC, 37 standard models.

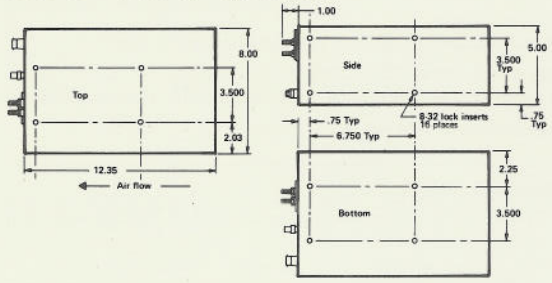
550 Watts

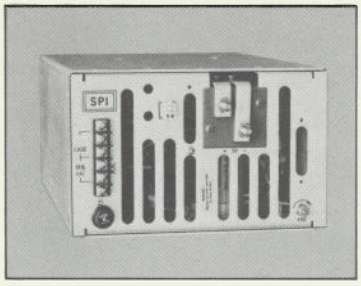




DC Voltage	DC Current at 50°C	Model Number
2V	110A	SV2-110
5V	110A	SV5-110
6V	92A	SV6-92
12V	45A	SV12-45
15V	37A	SV15-37
24V	23A	SV24-23
48V	12A	SV48-12

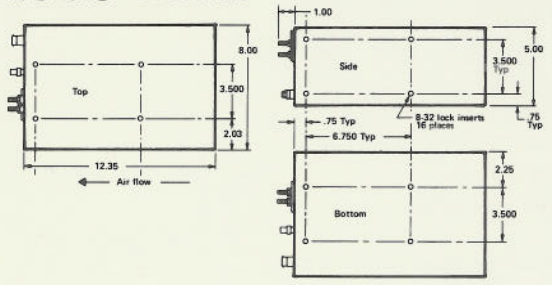
650-800 Watts

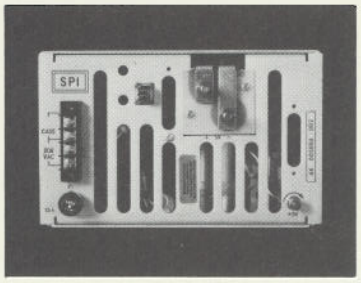




DC Voltage	DC Current at 50°C	Model Number
2V	130A	SV2-130
2V	160A	SV2-160
5V	130A	SV5-130
5V	160A	SV5-160
6V	108A	SV6-108
12V	55A	SV12-55
15V	50A	SV15-50
24V	34A	SV24-34
48V	13A	SV48-13

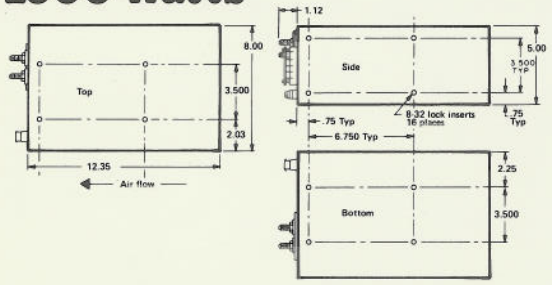
1000 Watts

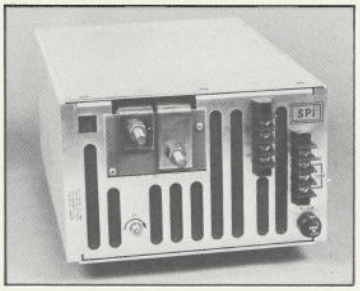




DC Voltage	DC Current at 50°C	Model Number
2V	200A	SV2-200
5V	200A	SV5-200
6V	166A	SV6-166
12V	84A	SV12-84
15V	67A	SV15-67
24V	42A	SV24-42

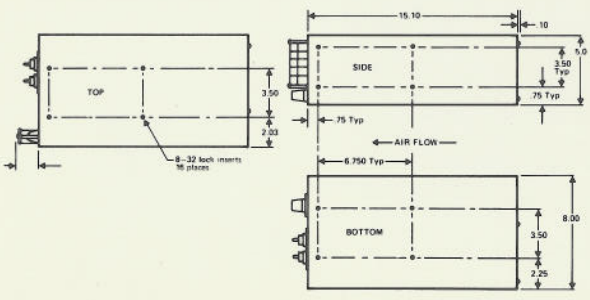
1500 Watts

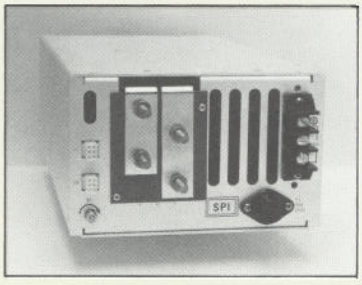




DC Voltage	DC Current at 50°C	Model Number
2V	300A	SV2-300
5V	300A	SV5-300
6V	250A	SV6-250
12V	130A	SV12-130
15V	105A	SV15-105
24V	65A	SV24-65
48V	35A	SV48-35

2000 Watts





DC Voltage	DC Current at 50°C	Model Number
2V	400A	SV2-400
5V	400A	SV5-400
6V	335A	SV6-335
12V	200A	SV12-200
15V	160A	SV15-160
24V	100A	SV24-100
48V	50A	SV48-50

Electrical specifications and features–SV series

SV

AC INPUT

NOMINAL	100/115/208/230 VAC
OPERATING RANGE	90 to 132 VAC or 180 to 264 VAC 165 to 265 VAC
FREQUENCY	47 to 63 Hz.; single phase
INRUSH CURRENT	Peak cold start inrush current is limited to 100 amps when operating at 115 VAC and 160 amps when operating at 230 VAC. Duration of peak current is less than 4 msec.
FUSING	All models incorporate ceramic body fuses rated 250V. Fuse is instantaneous type. Replacement ratings are as follows: SV5-160JU, SV5-200JU, SV5-300JU – 20A/250V front panel, SV5-400JU – 30A/250V
TURN ON TIME	Turn on time is less than 200 msec, typical for AC application and less than 200 msec after on-off remote activation.

GENERAL FEATURES

REGULATION (main output) V1	± .5% for 10 to 100% load changes. ± .5% for ±15% line changes around nominal 115/230 VAC.
RIPPLE & NOISE	(47Hz to 50mHz) 100MV peak to peak.
TRANSIENT RESPONSE V1	Output maximum excursion of ±5% for 25% load. Step recovery in less than 500 msec.
OVERLOAD PROTECTION V1	All outputs are overload protected. V1 main output is set 120 to 160% of rated output. Output fold back to 60% of output load typical.
SHORT CIRCUIT PROTECTION	All outputs are short circuit protected. Current is limited to 60% of maximum rated current.
OVERVOLTAGE PROTECTION V1	Overvoltage protection is standard as a voltage clamp set at 20 to 30% above nominal output voltage. This protective feature gives user protection while avoiding nuisance trips in the field. Automatically resets.
OVERTEMPERATURE PROTECTION	Unit shuts down when temperature exceeds a maximum safe value.
OVERSHOOT	No turn-on or turn-off overshoot.
REVERSE VOLTAGE PROTECTION	Protected for reverse voltage up to rated voltage and current.
REMOTE SENSE (V1 output where present)	Remote sense of up to 1.2 volt total in load. Senses for cables or redundant diodes on models with this feature.
REMOTE ON-OFF	Barrier block or internal connector available for remote on-off supply control.
AC LOSS RIDE THROUGH	All outputs will remain in regulation for 20 msec, during removal of input AC when operating at nominal AC input. 30 msec @ 80% rating, 50 msec @ 60% rating. All measured from nominal input.

ENVIRONMENTAL

OPERATING TEMPERATURE	0° to 50° full output. 0° to 75° with derating 2%/C° above 50° C. Cooling air is required above 50° C, or when using units above specified maximum ratings.
STORAGE TEMPERATURE	–20° to +85°C.
TEMPERATURE COEFFICIENT	.02%/°C.
STABILITY V1	.5% for 8 hr. period following an initial 1 hour warm up.
COOLING	Internal fan provides cooling air flow. Air exits terminal end.
HUMIDITY	Up to 95% R.H. non-condensing.
EMI	Internal filters available to FCC, VDE specifications. Please consult factory.
SAFETY (All units) UL, CSA, TUV	UL File E-69760. CSA File LR-50228. TUV Licenses, SV Series – Geprueft nach: DIN IEC 380/VDE 0806/8.81.
SIZE	SV-5-160U, SV-5-200U, SV-5-300JU; 5" x 8" x 12.35". SV-5-300JFU, SV-5-400: 5" x 8" x 15.35".
WEIGHT	SV-5-160JU: 15lbs. SV-5-200JU: 16.5lbs. SV-5-300JU: 18.0lbs. SV-5-300JFU: 20lbs. SV-5-400: 23lbs.

Please consult factory for options POWERFAIL, REMOTE ON-OFF, REMOTE PROGRAM.