

**45 WATTS****NO MINIMUM ORDER REQUIRED****SRW-45 SERIES****OUTPUT SPECIFICATIONS****Features**

- RoHS
- Universal 85-264 VAC Input
- Compact 3" X 5" X 1.25" Size
- Class B Emissions Per EN 55022
- 2 Year Warranty
- Fits 1U Application
- EN 60950-1 ITE Certification
- One to Four Outputs
- Optional Chassis & Cover

**OPEN FRAME****CHASSIS / COVER****Total Output Power at 45 W  
50c**

<b>Output Voltage</b>	<b>Output 1: +/-0.25%</b>
<b>Centering</b>	<b>Output 2: +/-5.0%</b>
	<b>Output 3: +/-3.0%</b>
	<b>Output 4: +/-3.0%</b>

(All outputs at 50% load)

**Source Regulation** **Outputs 1-4: 0.5%****Load Regulation** **Output 1: 0.5%** (20-100% Load Change)**Output 2: 5.0%** (10-70% Load Change)**Output 3: 2.0%** (10-100% Load Change)**Output 4: 2.0%** (10-100% Load Change)**Cross Regulation** **Output 2: 5.0%****Output 3: 2.0%****Output 4: 2.0%**






(Output 1 load varied 50-100%)

**Output Voltage Adjust** **Output 1: 95% to 105%**  
**Range****Output Noise** **Outputs 1-4: 1.0%****Turn On Overshoot** **None****Transient Response** **Outputs 1-4****Volt. Deviation** **5.0%****Recovery Time** **2 mS****Load Change** **50% To 100%****Output Overvoltage** **Output 1: 110% to 150%**  
**Protection (Optional)****Output Overpower** **Output 1-4 110% Min.****Protection** **Outputs cycle on/off, auto recovery****Hold Up Time** **16 mS Min, 45 W Output****120 V Input****Start Up Time** **1 Second****INPUT SPECIFICATIONS**

<b>Source Voltage</b>	<b>85-264 Voltage AC</b>
<b>Frequency Range</b>	<b>47-63 Hz</b>
<b>Source Current</b>	
<b>True RMS</b>	<b>1A At 85V Input</b>
<b>Peak Inrush</b>	<b>40A</b>
<b>Efficiency</b>	<b>.68 - .72 (Varies by model)</b>

**ENVIRONMENTAL SPECIFICATIONS**

<b>Ambient Operating</b>	<b>0°C to +70°C</b>	<b>Derating:</b>
<b>Temperature Range</b>	<b>See Power Rating Chart</b>	
<b>Ambient Storage</b>	<b>-40°C to +85°C</b>	
<b>Temperature Range</b>		
<b>Temperature Coefficient</b>	<b>Outputs 1-4: 0.02%/°C</b>	
<b>Conducted Emissions</b>	<b>EN 55022 Class B</b>	

SAFETY SPECIFICATIONS		GENERAL SPECIFICATIONS	
General	Protection Class: I	Dielectric Strength	
	Overtoltage Category: II	Reinforced Insulation	4242 VDC, Primary to Secondary, 1 Sec.
	Pollution Degree: 2	Basic Insulation	2121 VDC, Primary to Ground, 1 Sec.
		Operational Insulation	500 VDC, Secondary to Ground, 1 Sec.
 Underwriters Laboratories File E137708	UL 60950-1 First Edition	Mean Time Between Failures	150,000 Hours min., MIL-HDBK-217F, 25°C, GB
 UL Recognition Mark for Canada File E137708	CAN/CSA-C22.2 No. 60950-1-03	Weight	1.00 Lbs. Chassis and Cover 0.50 Lbs. Open Frame
 IECEE CE SCHEME 2	CB Report per IEC 60950-1(2001) First Edition All National Deviations		
 TUV	EN 60950-1:2001		
 CE	Low Voltage Directive		

MODEL LISTING				
Model	Output 1	Output 2	Output 3	Output 4
SRW-45-4001	+5V/5A	-5V/2A	+12V/0.7A	-12V/0.7A
SRW-45-4002	+5V/5A	-5V/2A	+15V/0.7A	-15V/0.7A
SRW-45-4003	+5V/5A	+24V/1A	+12V/0.7A	-12V/0.7A
SRW-45-4004	+5V/5A	+24V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4005	+5V/5A	+24V/1A	-12V/0.7A	-5V/0.7A
SRW-45-4006	+5V/5A	+15V/2A	+15V/0.7A	-15V/0.7A
SRW-45-4007	8V/2A	8V/0.5A	18V/0.7A	18V/0.7A
SRW-45-4008	+3.3V/5A	+3.3V/3A	5V/3A	12V/0.7A
SRW-45-4009	+5V/5A	+27V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4010	+5V/5A	+32V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4011	+5V/5A	+24V/1A	+15V/0.7A	-15V/0.7A
SRW-45-4012	+5V/5A	+12V/3A	9V/1A	-12V/0.7A
SRW-45-4013	+8V/2A	-8V/0.5A	+15V/0.7A	-15V/0.7A
SRW-45-3001	+5V/5A	+12V/3A		-12V/0.7A
SRW-45-3002	+5V/5A	+15V/2A		-15V/0.7A
SRW-45-3003	+5V/5A	+24V/1.5A		-12V/0.7A
SRW-45-3004	+5V/5A	+9V/3A		-12V/0.7A
SRW-45-3005	+5V/5A	+18V/2A		-18V/0.7A
SRW-45-3006	+5V/5A	+15V/2.5A	-15V/2.5A	
SRW-45-3007	+5V/5A	24V/1.8A		-5V/0.7A
SRW-45-2001	+5V/5A	+12V/3A		
SRW-45-2002	+5V/5A	-5V/4A		
SRW-45-2003	+5V/5A	+24V/1.5A		
SRW-45-2004	+12V/3A	-12V/2A		
SRW-45-2005	+15V/2.5A	-15V/2A		
SRW-45-2006	5V/5A	15V/3A		
SRW-45-2007	+18V/1.5A	-18V/1A		
SRW-45-2008	+5V/5A	+13V/3A		
SRW-45-2009	+5V/2.5A	+21V/1A		
SRW-45-2010	+5V/5A	-5V/4A		

SRW-45-2011	+24V/1.5A
SRW-45-1001	5V/9A
SRW-45-1002	12V/4A
SRW-45-1003	15V/3A
SRW-45-1004	24V/2A
SRW-45-1006	13.8V/3.3A

+15V/0.7A

## Notes

Consult factory for alternate output configuration.

Consult factory for positive, negative or floating output 2.

Refer to Application Information for complete output power ratings.

All specifications are maximum at 25C unless otherwise stated and are subjected to change without notice.

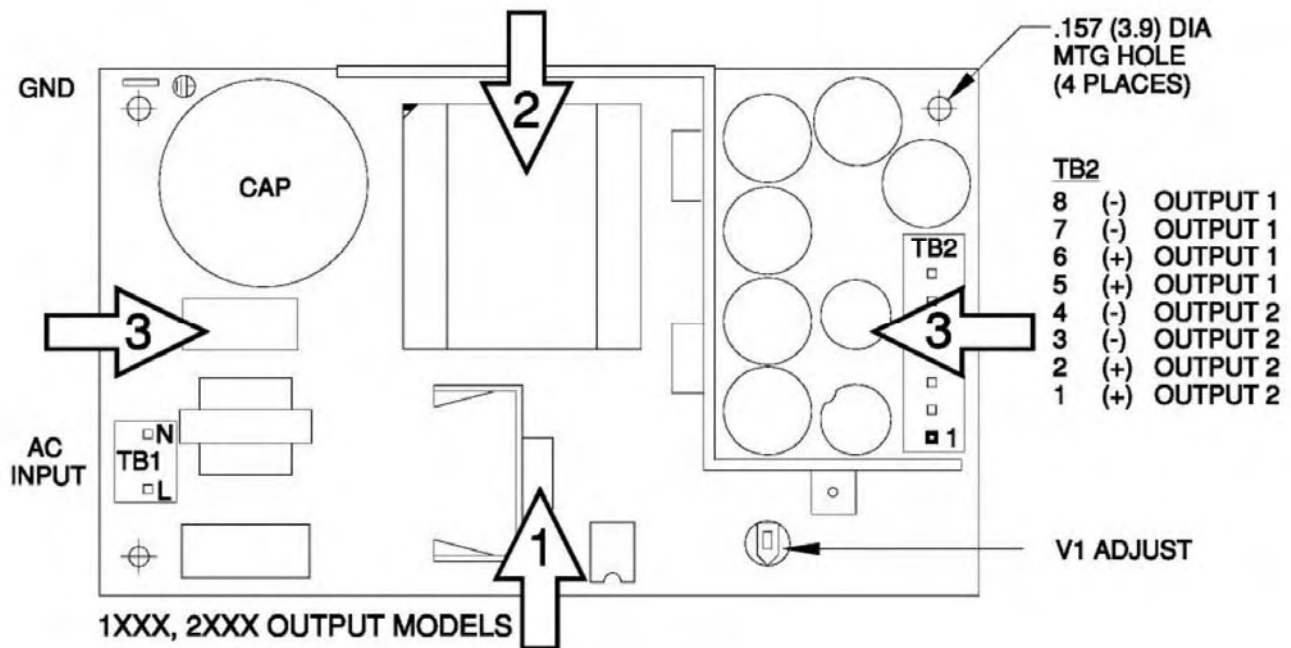
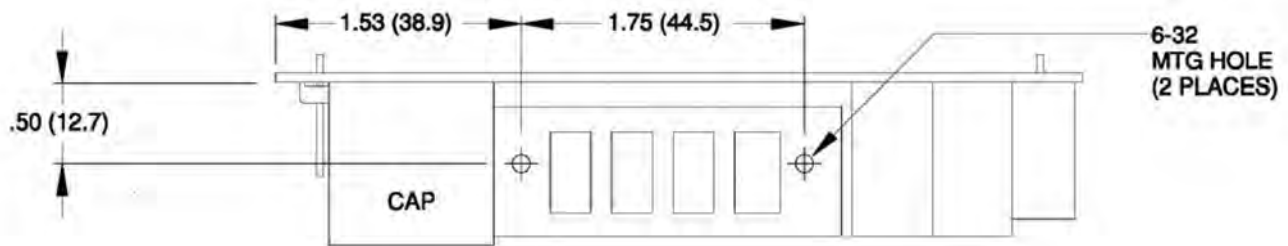
Specify optional chassis and cover, overvoltage protection or DC Input when ordering.

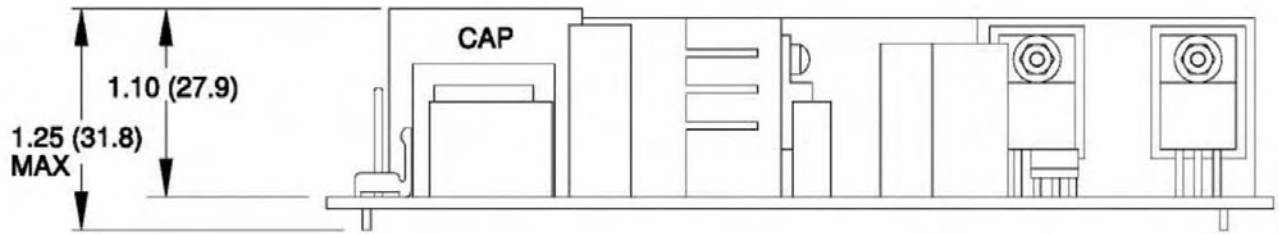
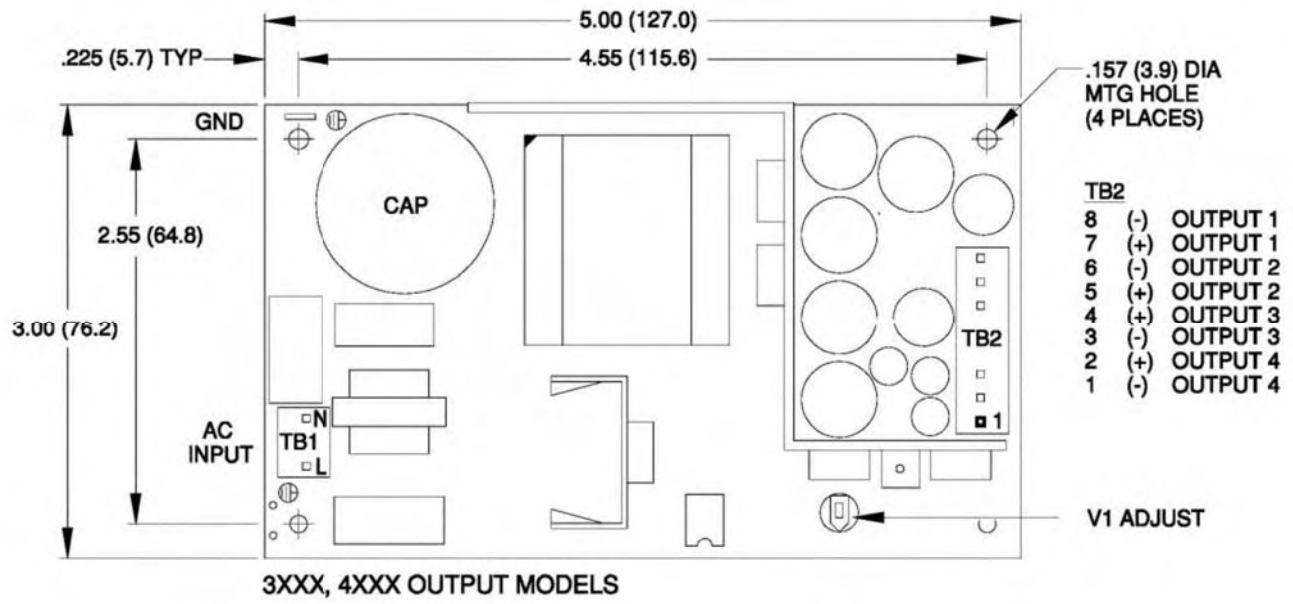
Centering, load regulation and cross regulation are rated at 5% on output 3 for models SRW-45-3006 and SRW-45-4008.

TUV only:SRW-45-3006, SRW-45-4010

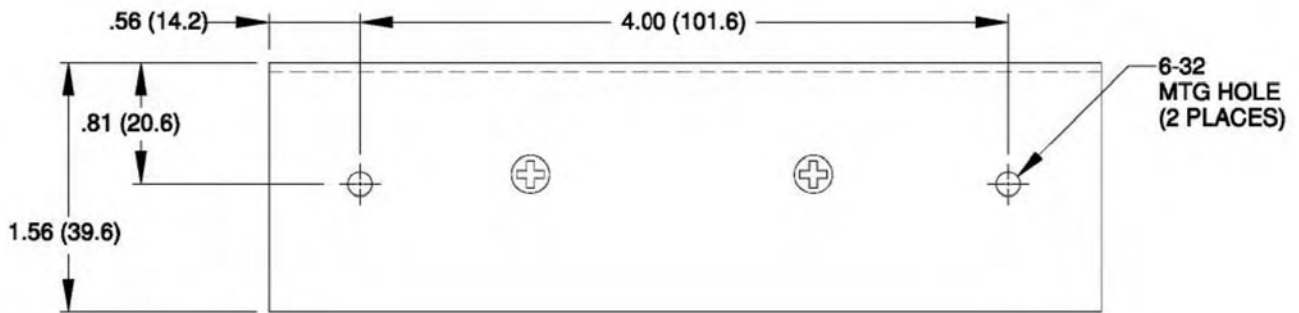
## SRW-45 SERIES MECHANICAL SPECIFICATIONS

### OPEN FRAME





### OPTIONAL CHASSIS/COVER

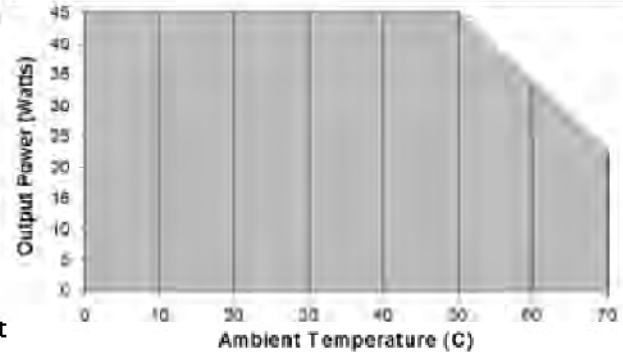




## APPLICATIONS INFORMATION

1. Each output can deliver its rated current but total output power must not exceed 45 watts.
2. Semiconductor case temperature must not exceed 110 C
3. Sufficient area must be provided around convection cooled power supplies to allow natural movement of air develop.
4. This product is intended for use as a professionally installed component within information technology and medical equipment.
5. A minimum load of 20% is required on output one to insure proper regulation of remaining outputs.
6. Peak to peak output ripple and noise is measured directly at the output terminals of the power supply, without the use of the probe ground lead or retractable tip, 20 MHz bandwidth.
7. This product was type tested and safety certificated using the the dielectric strength test voltages listed in Table V of UL 60950. In consideration of clause 5.2.2, care must be taken to insure the voltage applied to a reinforced insulation does not over stress basic insulation. Secondary to ground capacitors may need to be removed prior to performing a dielectric strength type test on the end product. It is highly recommended that the DC test voltages be used when performing a production-line dielectric strength test of the assembled end product. Please consult factory for further information.
8. This power supply has been safety approved and final tested using a DC dielectric strength test. Please consult factory before performing AC dielectric strength test.
9. Maximum screw penetration into mounting holes is .250 inches

## Maximum Output Power vs. Ambient Temperature



## CONNECTOR SPECIFICATIONS

- TB1 AC Input .156 friction lock header mates with Molex 09-50-3031 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.
- TB2 DC Output .156 friction lock header mates with Molex 09-50-3081 or equivalent crimp terminal housing with Molex 08-50-0189 or equivalent crimp terminal.
- G Ground .187 quick disconnect terminal.

## RECOMMENDED AIR FLOW DIRECTION

1. Optimum
2. Good
3. Fair