	SCT6x & SCT601 Series Specification									
	Rev 11 2/20/01		Model							
			SCT62	SCT63	SCT64	SCT65	SCT66	SCT67	SCT68	SCT601
	Specification		V1/V2/V3	V1/V2/V3	V1/V2/V3	V1/V2/V3	V1/V2/V3	V1/V2/V3	V1/V2/V3	V1/V2/V3
1	Nominal Output Voltage (8)	V	+5/+12/-12	+5/+15/-15	+5/+12/-5	+5/+24/+12	+5/+24/-12	+5/+24/-5	+5/+15/+12	+3.3/+5/+or-12
2	Minimum Output Current (9)	A	0.7/0.3/0	0.7/0.3/0	0.7/0.3/0	0.7/0.1/0	0.7/0.1/0	0.7/0.1/0	0.7/0.1/0	0.7/0.3/0
3	Maximum Output Current convection	A	7.0/3.0/0.7	7.0/2.8/0.7	7.0/3.0/0.7	7.0/1.5/0.7	7.0/1.5/0.7	7.0/1.5/0.7	7.0/3.0/0.92	7.0/3.0/1.0
4	Maximum Output Current forced air	A	8.0/3.5/1.0	8.0/3.3/1.0	8.0/3.5/1.0	8.0/2.0/1.0	8.0/2.0/1.0	8.0/2.0/1.0	8.0/3.5/1.0	8.0/3.5/2.0
5	Maximum Peak Current (1)	A	10/6/1.5	10/4/1.5	10/6/1.5	10/3/1.5	10/3/1.5	10/3/1.5	10/3/1.5	9.5/3.5/2.0
6	Maximum Output Power convection	W	60	60	60	60	60	60	60	50
7	Maximum Output Power forced air	W	80	80	80	80	80	80	80	68
8	Input Voltage Range	V	85-265VAC, 47-63Hz							
9	Efficiency (2)	%	70% Typical							
10	Inrush current -Typical (3)	A	36							
11	Adjustment Range - Output 1 only	V	-5 ~ +10%							+/-5%
12	Maximum Ripple & Noise (4)	mV	1% peak to peak							
13	Regulation Load / Line (8)	%	±2/±5/±5	±2/±5/±5	±2/±5/±5	±2/±7/±5	±2/±7/±5	±2/±7/±5	±2/±5/±5	±2.5/±2.5/±5
14	Cross Regulation (8)	%	+/-2% on output 1, +/-5% on outputs 2 & 3							
15	Transient response		To be determined							
16	Overcurrent Protection (5)		Short circuit protection							
17	Overvoltage Protection (6)		115-135% on channel 1 only							
18	Hold up time - typical (7)	ms	20							13
19	Operating Temperature	C	0 ~ 50C							
20	Operating Humidity		5 ~ 95% non condensing							
21	Storage Temperature	C	-20 ~ 85C							
22	EMI		FCC Class B Conducted, EN55022 class B							
23	Output - Ground isolation		500VDC							
24	Vibration		10 - 55Hz Amplitude (sweep 1 min) Less than 2G X, Y, Z 1 hour ea							
25	Shock		<20G							
26	Safety		UL1950, CSA 22.2 #950, EN60950, CE mark							
27	Other		IEC801-2~6 level 3							
28	Size		127 x 76.2 x 34 (Max component height) component leads cropped 3mm max							
29	Terminals		Molex 09-50-80xx input & output							
30	Options									
	Remote sense (V1 only)		Add "/R" to model number (Standard on SCT601)							
	Notes:									
1	Peak current lasting <30 seconds with 10% max duty cycle. Average power not to exceed rated maximum. Output voltage may exceed regulation limits									
2	At 100VAC or 200VAC input and maximum output power									
3	At 230VAC input cold start at 25C									
4	Measured across 10uF electrolytic in parallel with 0.1uF ceramic on load cables 150mm from terminals of power supply									
5	Avoid prolonged operation in overload									
6	Self resetting									
7	60W load at 115VAC nominal line									
8	On SCT601, third output is floating									
9	To maintain regulation, minimum loads for V1 & V2 are defined by the following formula:									
			SCT62	SCT63	SCT64	SCT65	SCT66	SCT67	SCT68	
			$0.25 \le I_{V1}/I_{V2} \le 5$	$0.25 \le I_{V1}/I_{V2} \le 5$	$0.25 \le I_{V1}/I_{V2} \le 5$	$0.25 \le I_{V1}/I_{V2} \le 14$	$0.25 \le I_{V1}/I_{V2} \le 25$	$0.25 \le I_{V1}/I_{V2} \le 25$	$0.25 \le I_{V1}/I_{V2} \le 5$	
	I_{V1} = Current on output V1									
	I_{V2} = Current on output V2									
	Example: SCT62. 5V @ 7A. $0.25 \le 7/I_{V2} \le 5$, thus the minimum load on V2, I_{V2}, = 1.4A									
	Example: SCT62. 12V @ 3A. $0.25 \le I_{V1}/3 \le 5$, thus the minimum load on V1, I_{V1}, = 0.75A									