TABLE OF SPECIFICATIONS

SCR Model	DC Output Volts	DC Output Amps	Regulation CV Line/Load %	Regulation CV Line/Load MV*	Regulation CC Line/Load %	Regulation CC Line/Load MA**	RMS Ripple Volt MV	RMS Ripple Current MA	% Efficiency	Size H	Size W	Size D	Net Wgt lbs
0-500	0-50	500	0.1	9	0.1	150	5	95.0	65	9¼	19	20	19
10-250	0-10	250	0.1	3	0.1	75	5	125	70	[illegible]	19	20	135
20-500	0-20	500	0.1	6	0.1	150	5	120	75	11¾	19	20	330
20-250	0-20	250	0.1	3	0.1	75	5	60	75	8¾	19	20	135
20-125	0-20	125	0.1	3	0.1	50	5	30	75	[illegible]	19	20	140
30-200	0-30	200	0.1	6	0.1	60	5	60	75	8¾	19	20	330
30-100	0-30	100	0.1	3	0.1	30	5	30	75	7	19	20	140
40-250	0-40	250	0.1	12	0.1	75	5	125	75	12¾	19	20	330
40-125	0-40	125	0.1	12	0.1	40	5	30	75	8¾	19	20	175
40-60	0-40	60	0.1	12	0.1	20	5	10	78	7	19	20	140
50-200	0-50	200	0.1	6	0.1	60	5	30	80	12¾	19	20	330
80-60	0-80	60	0.1	30	0.1	20	10	10	85	8¾	19	20	175
80-30	0-80	30	0.1	30	0.1	10	10	10	85	7	19	20	140
100-100	0-100	100	0.1	35	0.1	30	10	30	85	12¾	19	20	320
120-40	0-120	40	0.1	40	0.1	13	10	10	85	8¾	19	20	175
120-20	0-120	20	0.1	40	0.1	3	10	3	85	7	19	20	135
160-60	0-160	60	0.1	50	0.1	15	10	10	80	12¾	19	20	330
160-30	0-160	30	0.1	50	0.1	10	10	3	80	8¾	19	20	175
160-15	0-160	15	0.1	50	0.1	5	10	3	80	7	19	20	140
250-40	0-250	40	0.1	75	0.1	12	10	10	85	12¾	19	20	320
250-20	0-250	20	0.1	75	0.1	6	10	3	85	8¾	19	20	175
250-10	0-250	10	0.1	75	0.1	4	10	3	85	7	19	20	140
500-10	25-500	10	0.1	150	0.1	4	10	3	85	8¾	19	20	175
500-5	25-500	5	0.1	150	0.1	2	10	3	85	7	19	20	140

* 0.5% or MV whichever is greater ** 0.5% or MA total *** Maximum output voltage

INPUT

Three phase, three-wire system (plus neutral for 380V operation). Phase rotation sequence must be observed.

Line Voltage (phase-to-phase):

2.5 KW and 5 KW units: 188-242V
10 KW units: 432-528V.
Optional voltages, all units: 188-242V, 342-418V, 432-528V

Line Frequency: 47-63 HZ (except 57-63 HZ for 10 KW units)

Line Currents: (Typical: 2.5 KW, 10 Amp, 5 KW, 20 Amp; 10 KW, 15 Amp).

Line: Regulation is measured over a ±10% change from nominal line.

Load: Regulation is measured for a no load to full load or full load to no load change.

GENERAL

Ripple: Measured as maximum with either positive or negative terminal grounded.

Transient Response: Output returns to within 2% in 50 MS for a step change from full load to no load or no load to full load for units rated up to 250 amperes.

Stability: 0.05% + mV listed in regulation table, for 8 hours after temperature equilibrium is reached, under fixed line, load and temperature conditions.

Ambient Temperature:

Operating: 0 C to 50 C
Non-operating: -40 C to 85 C

Temperature Coefficient: .05% per degree C of maximum voltage setting.

Remote Sensing: Compensates for 1V drops of power leads.

Remote Programming:

Voltage Mode:
1250 ohms per volt for 40V and 80V units.
1000 ohms per volt for 10V, 20V, 30V, 50V, 100V and 500V units.
833 ohms per volt for 120V units.
625 ohms per volt for 160V units.
400 ohms per volt for 250V units.

Current Mode:
1 Ohm ± 1% of current rating.

Remote Programming:

Voltage Mode:
1.6 micromhos per 1% of max. voltage for 40V and 80V units.
2 micromhos per 1% of max. voltage for 10, 20, 30, 50, 100 and 500V units.
2.4 micromhos per 1% of max. voltage for 120V units.
3.2 micromhos per 1% of max. voltage for 160V units.
5 micromhos per 1% of max. voltage for 250V units.

Protection:

Constant current with automatic crossover.
Thermal overload with automatic reset.
Input lines fused.

Termination: Separate AC and DC barrier strips mounted in rear of unit.

Cooling: Forced Air.