

Table 1-1
DCS Series Technical Characteristics

PARAMETERS	SPECIFICATIONS
PHYSICAL CHARACTERISTICS:	
Width	19.00 in.
Depth	18.00 in
Height	3.50 in.
Weight	45 lbs max.
ELECTRICAL CHARACTERISTICS:	
Input Power (Standard) Voltage	208-230 VAC (tested to 190-253 VAC)
Frequency	47 to 63 Hz
Phases	Single, 2-wire plus ground Three, 3-wire plus ground
Regulation (Line or Load) Voltage	0.1% of max. output voltage
Current	0.1% of max. output current
Transient Response	A 30% step load will recover to within 2% of original value within 10ms.
Stability	+0.05% of set point 8 hrs. after warm-up and at a fixed line, load and temp.
Remote Control/Monitor	On/Off control via contact closure, 6-120 VDC or 12-240 VAC, and TTL or CMOS switch, output voltage and current monitor, OVP limit set, and summary fault status
Power Factor	.75 min. at full load (three phase) .65 min. at full load (single phase)
Total Harmonics	2.5% max.

Table 1-1
DCS Series Technical Characteristics - Continued

PARAMETERS	SPECIFICATIONS
Remote Programming	
Resistive:	
Constant Voltage (0-100%)	0 - 5k ohms
Constant Current (0-100%)	0 - 5k ohms
Voltage:	
Constant Voltage (0-100%)	0 - 5/10 VDC
Constant Current (0-100%)	0 - 5/10 VDC
Current:	
Constant Voltage (0-100%)	0 - 1 mA
Constant Current (0-100%)	0 - 1 mA
Remote Sensing	Terminals are provided to sense output voltage at point of load.
ENVIRONMENTAL CHARACTERISTICS:	
Temperature Coefficient	0.02%/°C of max. output voltage rating for voltage set point. 0.03%/°C of max. output current rating for current set point.
Ambient Temperature	
Operating	0 to 50°C
Storage	-40° to 75°C
Cooling	Internal fans

Table 1-2
DCS Ratings

MODEL NUMBER	OUTPUT DC VOLTS	OUTPUT DC AMPS	OUTPUT RIPPLE (RMS)
55-55	0-55	0-55 (3 phase) 0-45 (1 phase)	10 mV