

Model	Optional IEEE-488 Interface		Remote Programming				Ripple (RMS)		Standard Inputs (nominal) <sup>1</sup>			Catalog Page	
	Internal	External	mV/A	mV/V	Ω/A	Ω/V	mA	mV	Vac	Aac	Phase		
DCR10-40B2	—	—	0-10V= 0-100% Io  or 0-400mV= 0-100% Io	1000	10	1200	260	65	115	8.7	1	41	
DCR10-120B2	—	—		1000	3.3	1200	785	65	115	24	1	41	
DCR20-25B2	—	—		500	16	600	82	65	115	9.4	1	41	
DCR20-50B2	—	—		500	8	600	125	65	115	20	1	41	
DCR20-80B2	—	—		500	5	699	260	65	115	30	1	41	
DCR20-115B2	—	—		500	3.5	600	375	65	208	26.5	1	41	
DCR40-13B2	—	—		250	30	300	30	90	115	9.8	1	41	
DCR40-25B2	—	—		250	16	300	50	90	115	16	1	41	
DCR40-40B2	—	—		250	10	300	90	90	115	26.8	1	41	
DCR40-70B2	—	—		250	6	300	157	90	208	29.6	1	41	
DCR60-9B2	—	—		167	46	200	19	125	115	9.7	1	41	
DCR60-18B2	—	—		167	22	200	38	125	115	19	1	41	
DCR60-30B2	—	—		167	16	200	63	125	115	27	1	41	
DCR60-45B2	—	—		167	9	200	93	125	208	29	1	41	
DCR80-6B2	—	—		125	68	150	12	150	115	8.3	1	41	
DCR80-12B2	—	—		125	33	150	23	150	115	15	1	41	
DCR80-33B2	—	—		125	12	150	61	150	208	27.2	1	41	
DCR150-3B2	—	—		67	134	80	6	300	115	8.2	1	41	
DCR150-6B2	—	—		67	66	80	12	300	115	15.5	1	41	
DCR150-12B2	—	—		67	33	80	24	300	115	27	1	41	
DCR150-18B2	—	—		67	22	80	36	300	208	27	1	41	
DCR300-1.5B2	—	—		33	270	40	4	700	115	8.9	1	41	
DCR300-3B2	—	—		33	133	40	7	700	115	15.7	1	41	
DCR300-6B2	—	—		33	66	40	14	700	115	27	1	41	
DCR300-9B2	—	—		33	44	40	21	700	208	27.4	1	41	
DCR600-.75B2	—	—		17	530	20	2	1200	115	8.9	1	41	
DCR600-1.5B2	—	—		17	266	20	3	1200	115	15.2	1	41	
DCR600-3B2	—	—		17	133	20	6	1200	115	27.4	1	41	
DCR600-4.5B2	—	—		17	89	20	9	1200	208	26.8	1	41	
DCR4-800T	—	X		13	2500	12.5	2500	3000	30	Multiple options available. Consult DCR-T Series "VOLTAGE OPTIONS" Section on page 23.		3	21
DCR8-400T	—	X		25	1250	25	1250	3000	30			3	21
DCR16-310T	—	X		32	625	32.3	625	1500	30			3	21
DCR32-155T	—	X	65	313	64.5	312.5	1000	20			3	21	
DCR55-90T	—	X	11.1	182	111.1	181.8	600	20			3	21	
DCR80-62T	—	X	161	125	161.3	125	600	20			3	21	
DCR110-45T	—	X	222	91	222	91	500	40			3	21	
DCR160-30T	—	X	333	63	333	63	330	60			3	21	
DCR300-16T	—	X	625	30	625	30	200	100			3	21	
DCR600-8T	—	X	1250	17	1250	17	100	150			3	21	

NOTES: 1. Optional inputs are available.

Model	Optional IEEE-488 Interface		Remote Programming				Ripple (RMS)		Standard Inputs (nominal) <sup>1</sup>			Catalog
	Internal	External	mV/A	mV/V	Ω/A	Ω/V	mA	mV	Vac	Aac	Phase	Page
DCS8-125	X	—	0-5V= 0-100% Io  or 0-5V= 0-100% Vo  or 0-10V= 0-100% Io  or 0-10V= 0-100% Vo  1 kW & 2 kW: 0-100mV= 0-100% Io	—	40	625	130	10	230	8.5	1	11
DCS8-200	X	—			25	625	400	10	208	9	3	11
DCS8-350	X	—			14.3	625	870	10	208	13	3	11
DCS12-250	X	—			20	416.7	400	10	208	14	3	11
DCS20-50	X	—			10	250	25	10	230	8.5	1	11
DCS20-100	X	—			50	250	150	10	208	10	3	11
DCS20-150	X	—			33.3	250	100	10	208	14	3	11
DCS33-33	X	—			151.5	151.5	10	10	230	8.5	1	11
DCS33-60	X	—			83	151.5	75	10	208	10	3	11
DCS40-25	X	—			200	125	7	10	230	8.5	1	11
DCS40-50	X	—			100	125	50	10	208	10	3	11
DCS40-75	X	—			66.7	125	75	10	208	14	3	11
DCS55-55	X	—			90.9	90.9	40	20	208	14	3	11
DCS60-18	X	—			277.8	83.3	6	20	230	8.5	1	11
DCS60-33	X	—			151.5	83.3	30	20	208	10	3	11
DCS60-50	X	—			100	83.3	33	20	208	14	3	11
DCS80-13	X	—			384.6	62.5	4	20	230	8.5	1	11
DCS80-25	X	—			200	62.5	20	20	208	10	3	11
DCS80-37	X	—			135	62.5	20	20	208	14	3	11
DCS150-7	X	—			714.3	33.3	2	30	230	8.5	1	11
DCS150-13	X	—	384.6	33.3	10	30	208	10	3	11		
DCS150-20	X	—	250	33.3	20	30	208	14	3	11		
DCS300-3.5	X	—	1429	16.7	1	40	230	8.5	1	11		
DCS300-6.6	X	—	757.6	16.7	5	40	208	10	3	11		
DCS600-1.7	X	—	2941	8.33	1	100	230	8.5	1	11		
DCS600-3.3	X	—	1515	8.33	5	100	208	10	3	11		
LS18-5	—	—	2000	556	—	—	3	1	Multiple options available. Consult L Series "VOLTAGE OPTIONS" Section on page 34	1	33	
LS30-3	—	—	3330	333	—	—	3	1		1	33	
LM18-10	—	—	—	—	—	—	3	1		1	33	
LM30-6	—	—	—	—	—	—	3	1		1	33	
LM60-3	—	—	—	—	—	—	3	1		1	33	
LH8-30	—	—	—	—	—	—	10	1		1	33	
LH18-20	—	—	—	—	—	—	5	1		1	33	
LH35-10	—	—	—	—	—	—	5	1		1	33	
LH60-6	—	—	—	—	—	—	5	1		1	33	
LH75-5	—	—	—	—	—	—	5	1		1	33	
LH110-3	—	—	—	—	—	—	5	1		1	33	
LH300-1	—	—	—	—	—	—	5	1		1	33	
LT18-5	—	—	—	—	—	—	3	1		1	33	
LT30-3	—	—	—	—	—	—	3	1		1	33	

NOTES: 1. Optional inputs are available.

Sorensen 9250 Brown Deer Road • San Diego • California 92121 • 1-800-525-2024 • 619-450-0085 • FAX-619-458-0267

SELECTION GUIDE #2 • BY MODEL NUMBER

Model	Optional IEEE-488 Interface		Remote Programming				Ripple (RMS)		Standard Inputs (nominal) <sup>1</sup>			Catalog Page
	Internal	External	mV/A	mV/V	Ω/A	Ω/V	mA	mV	Vac	Aac	Phase	
LHP7.5-130	X	—	0-5V=	0-5V=	0-5KΩ=	0-5KΩ=	—	5	120	11	1	37
LHP20-50	X	—	0-100% Io	0-100% Vo	0-100% Io	0-100% Vo	—	5	120	11	1	37
LHP33-33	X	—					—	7.5	120	11	1	37
LHP40-25	X	—	or	or	or	or	—	5	120	11	1	37
LHP60-18	X	—					—	10	120	11	1	37
LHP100-10	X	—	0-10V=	0-10V=	0-10KΩ=	0-10KΩ=	—	10	120	11	1	37
LHP150-7	X	—					—	20	120	11	1	37
LHP300-3.5	X	—	0-100% Io	0-100% Vo	0-100% Io	0-100% Vo	—	30	120	11	1	37
LHP600-16	X	—					—	35	120	11	1	37
PRO16-625T	X	—	16	625	16	625	2000	30	Multiple options available. Consult PRO-T Series "VOLTAGE OPTIONS" Section on page 19	3	17	
PRO32-310T	X	—	32	310	32	310	1500	30		3	17	
PRO55-180T	X	—	55	180	55	180	900	30		3	17	
PRO80-125T	X	—	80	125	80	125	900	30		3	17	
PRO110-90T	X	—	110	90	110	90	800	40		3	17	
PRO160-62T	X	—	160	62	160	62	480	60		3	17	
PRO300-33T	X	—	300	33	300	33	240	100		3	17	
PRO600-16T	X	—	600	16	600	16	120	150		3	17	
HPD15-20	X	—	Requires Option M5A				5	5	115	6	1	25
HPD30-10	X	—					5	5	115	6	1	25
HPD60-5	X	—					5	5	115	6	1	25
XTS7-6	X	—					2	1	115	1.2	1	29
XTS15-4	X	—					2	1	115	1.2	1	29
XTS20-3	X	—					2	1	115	1.2	1	29
XTS30-2	X	—					2	1	115	1.2	1	29
XTS60-1	X	—					2	1	115	1.2	1	29
XTS120-.5	X	—					2	1	115	1.2	1	29
SRL10-25	—	—					20	1000	40	200	10	0.35
SRL10-50	—	—	8	1000	20	200	20	0.3	115	14.7	1	45
SRL20-12	—	—	80	1000	80	200	3	0.2	115	7.8	1	45
SRL20-25	—	—	20	1000	40	200	10	0.3	115	13.6	1	45
SRL20-50	—	—	8	1000	20	200	10	0.5	115	28	1	45
SRL40-6	—	—	150	1000	150	200	0.5	0.2	115	6.3	1	45
SRL40-12	—	—	80	1000	80	200	1	0.3	115	13.2	1	45
SRL40-25	—	—	20	1000	40	200	10	0.5	115	22	1	45
SRL40-50	—	—	8	1000	20	200	10	0.7	208	25	1	45
SRL60-4	—	—	250	1000	250	200	0.5	0.3	115	6	1	45
SRL60-8	—	—	125	1000	125	200	1	0.3	115	12.5	1	45
SRL60-17	—	—	40	1000	60	200	3	0.5	115	22	1	45
SRL60-35	—	—	15	1000	25	200	10	0.7	208	26	1	45

NOTES: 1. Optional inputs are available.

# CE

## DCS SERIES

### 1KW, 2KW & 3KW OUTPUTS

### PROGRAMMABLE SWITCHING SUPPLIES



The DCS Series 1000, 2000 and 3000 watt programmable power supplies incorporate current mode switching rates up to 100 kHz in high power density, low profile packages. Utilizing state-of-the-art technology and unique packaging techniques, the DCS Series provides continuous full output power (1kW - 3kW) in any volt/amp combination within the rated output voltage and current limits. Options include an internal IEEE-488/RS-232 interface and isolated analog programming of voltage or current.

- Voltage ranges from 0-8 Vdc to 0-600 Vdc; current levels from 1.7A to 350A
- 1kW of power in a 19 lb. package only 1.7 in. high
- 2kW of power in a 27 lb. package only 3.45 in. high
- 3kW of power in a 33 lb. package only 3.45 in. high
- CE Mark, UL 1012 and CSA 22.2 #220 (1kW) and FCC Part 15 Class A
- 230 Vac input, 47-63 Hz, (other inputs available)
- Selectable remote programming constants for voltage, current and OVP
- Line regulation: 0.1%; Load regulation: 0.1%
- Internal IEEE-488/RS-232 Interface Card with V/I readback and adjustable OVP (Option M9C)
- Isolated analog programming (Option M51)
- 5 Year Warranty

11  
DCS SERIES

# DCS SERIES SPECIFICATIONS

## INPUT

### Voltage:

**1 kW** — 200-250 Vac, 8.5A (typ.);  
(100-132 Vac, M1 option, 15A (typ.)  
internal jumper selectable)

**2 kW** — 190-250 Vac, 10A (typ.);  
3Ø, field configurable for 200-250 Vac,  
single phase, 14A (typ.)

**Note:** Maximum power output of 2 kW  
supplies must be limited to 1.5 kW for  
single phase input

**3 kW** — 190-250 Vac 3Ø, 14A (typ.); field  
configurable for 200-250 Vac 1Ø, 26A (typ.)

**Note:** Maximum power output of 3 kW  
supplies must be limited to 2.5 kW for single  
phase input

**Soft Start:** Line current is lower than full  
load peak value during turn-on or power  
application after restart

**Frequency:** 47-63 Hz (optional 400 Hz -  
3 kW only)

## OUTPUT

**Voltage:** 8, 20, 33, 40, 60, 80, 150, 300 and  
600 Vdc (1 kW and 2 kW models); 8, 12, 20,  
40, 55, 60, 80 and 150 Vdc (3 kW models)

**Voltage Resolution:** 0.02%

**Current:** See table below

**Regulation, Line:** 0.1% (V or I mode)

**Regulation, Load:** 0.1% (V or I mode)

**Temperature Coefficient:**

Voltage = 0.02%/°C; Current = 0.03%/°C

Model	Output Power		Regulation Line and Load %	Constant Voltage Mode			Temp. Coeff. Voltage %/°C (Typ.)	Voltage Drift %V Max. (Typ.)	Programming Constants Voltage Mode	
	Voltage Vdc	Current Adc @ 50°C		Ripple (PAR) mV RMS	Resolution <sup>1</sup> %	Transient Response Time µs (Typ.)			Ohms/V	V/V
DCS8-125	0-8	0-125	0.2	10	0.02	500	0.02	0.05	625	
DCS8-200	0-8	0-200	0.2	10	0.02	600	0.02	0.05	625	
DCS8-350	0-8	0-350	0.2	10	0.02	1000	0.02	0.05	625	
DCS12-250	0-12	0-250	0.2	10	0.02	1000	0.02	0.05	416.7	
DCS20-50	0-20	0-50	0.2	10	0.02	500	0.02	0.05	250	
DCS20-100	0-20	0-100	0.2	10	0.02	600	0.02	0.05	250	
DCS20-150	0-20	0-150	0.2	10	0.02	1000	0.02	0.05	250	
DCS33-33	0-33	0-33	0.2	10	0.02	500	0.02	0.05	151.5	
DCS33-60	0-33	0-60	0.2	10	0.02	600	0.02	0.05	151.5	0-10V =
DCS40-25	0-40	0-25	0.2	10	0.02	500	0.02	0.05	125	
DCS40-50	0-40	0-50	0.2	10	0.02	600	0.02	0.05	125	0-100% V <sub>o</sub>
DCS40-75	0-40	0-75	0.2	20	0.02	1000	0.02	0.05	125	
DCS55-55	0-55	0-55	0.2	20	0.02	1000	0.02	0.05	90.9	
DCS60-18	0-60	0-18	0.2	20	0.02	500	0.02	0.05	83	or
DCS60-33	0-60	0-33	0.2	20	0.02	600	0.02	0.05	83	
DCS60-50	0-60	0-50	0.2	20	0.02	1000	0.02	0.05	83	
DCS80-13	0-80	0-13	0.2	20	0.02	500	0.02	0.05	62.5	0-5V =
DCS80-25	0-80	0-25	0.2	20	0.02	600	0.02	0.05	62.5	
DCS80-37	0-80	0-37	0.2	20	0.02	1000	0.02	0.05	62.5	0-100% V <sub>o</sub>
DCS150-7	0-150	0-7	0.2	30	0.02	500	0.02	0.05	33.3	
DCS150-13	0-150	0-13	0.2	30	0.02	600	0.02	0.05	33.3	
DCS150-20	0-150	0-20	0.2	30	0.02	1000	0.02	0.05	33.3	
DCS300-3.5	0-300	0-3.5	0.2	40	0.02	500	0.02	0.05	16.67	
DCS300-6.6	0-300	0-6.6	0.2	40	0.02	600	0.02	0.05	16.67	
DCS600-1.7	0-600	0-1.7	0.2	100	0.02	500	0.02	0.05	8.33	
DCS600-3.3	0-600	0-3.3	0.2	100	0.02	600	0.02	0.05	8.33	

**NOTE: 1.** 0.03% IEEE-488.

# DCS SERIES SPECIFICATIONS

**Efficiency:** See table below

**Ripple (PARD), mV RMS:** See table below

**Transient Response:** <1 ms recovery to 1% band for 30% step load change (70-100% or 100-70%). 500  $\mu$ s typical

**Stability:** 0.5% drift max. over 8 hrs. with constant line, load and temperature, following 20 minute warm-up

## GENERAL

**Ambient Operating Temperature Range:** 0-50°C (32-122°F) (no derating). 50-70°C (122-158°F) (derate 2%/°C above 50°C)

**Storage Temperature:** -55°C to +85°C (-67 to +185°F)

**Humidity Range:** 0 to 80% RH, non-condensing

**Meter Accuracy:** 1% of full scale + 1 count

**Max. Voltage Differential From Output**

**to Safety Ground:** 1 kW: 600 Vdc; 2 kW: 600 Vdc; 3 kW: 400 Vdc

**Remote Start/Stop and Interlock:** TTL compatible input or 12-250 Vac (12-130 Vdc) or a contact closure.

**Cooling:** Internal fan, over-temperature shut down at internal heat sink temp. of 90°C

**Remote Sense (Voltage):** Max. line drop= 1V/output line (0.5V on both the DCS 8-125 and DCS 8-200 models)

Model	Constant Current Mode			Temp. Coeff. %/°C (Typ.)	Current Drift %I <sub>o</sub> Max. (Typ.)	Programming Constants, Current Mode		Input Current, A Nominal		Efficiency % (Typ.)	Case	
	Regulation Line and Load %	Ripple (PARD) mA RMS	Resolution (Typ.) %			Ohms/A	V/A	230V Single Phase	208V Three Phase			
DCS8-125	0.2	160	0.02	0.03	0.5	40	0-10V=	8.5	N/A	82	I	
DCS8-200	0.2	400	0.02	0.03	0.5	25		0-100% I <sub>o</sub>	15	8	82	II
DCS8-350	0.2	870	0.02	0.03	0.5	14.3			24	13	80	II
DCS12-250	0.2	400	0.02	0.03	0.5	20	26		14	82	II	
DCS20-50	0.2	25	0.02	0.03	0.5	100	0-5V=	8.5	N/A	82	I	
DCS20-100	0.2	150	0.02	0.03	0.5	50		0-100% I <sub>o</sub>	17	10	82	II
DCS20-150	0.2	100	0.02	0.03	0.5	33.3			26	14	82	II
DCS33-33	0.2	10	0.02	0.03	0.5	151.5	or		8.5	N/A	82	I
DCS33-60	0.2	75	0.02	0.03	0.5	83.3	0-5V=	17	10	82	II	
DCS40-25	0.2	7	0.02	0.03	0.5	200		0-100% I <sub>o</sub>	8.5	N/A	82	I
DCS40-50	0.2	50	0.02	0.03	0.5	100			17	10	82	II
DCS40-75	0.2	75	0.02	0.03	0.5	66.7	26		14	86	II	
DCS55-55	0.2	40	0.02	0.03	0.5	90.9	or	26	14	86	II	
DCS60-18	0.2	6	0.02	0.03	0.5	277.8	1kW and 2kW:	8.5	N/A	82	I	
DCS60-33	0.2	30	0.02	0.03	0.5	151.5		0-100mV=	17	10	82	II
DCS60-50	0.2	33	0.02	0.03	0.5	100			26	14	86	II
DCS80-13	0.2	4	0.02	0.03	0.5	384.6	0-100% I <sub>o</sub>		8.5	N/A	82	I
DCS80-25	0.2	20	0.02	0.03	0.5	200		17	10	82	II	
DCS80-37	0.2	20	0.02	0.03	0.5	135		26	14	86	II	
DCS150-7	0.2	2	0.02	0.03	0.5	714.3	0-100% I <sub>o</sub>	8.5	N/A	82	I	
DCS150-13	0.2	10	0.02	0.03	0.5	364.6		17	10	82	II	
DCS150-20	0.2	10	0.02	0.03	0.5	250		26	14	86	II	
DCS300-3.5	0.2	1	0.02	0.03	0.5	1428.6	0-100% I <sub>o</sub>	8.5	N/A	82	I	
DCS300-6.6	0.2	5	0.02	0.03	0.5	757.6		17	10	82	II	
DCS600-1.7	0.2	1	0.02	0.03	0.5	2941		8.5	N/A	82	I	
DCS600-3.3	0.2	5	0.02	0.03	0.5	1515.2	17	10	82	II		

# DCS SERIES SPECIFICATIONS

**Remote Programming:** External jumper via J3; see drawing on page 15

**Overvoltage Protection:** Crowbar type adjustable from 5-110% of rated output using front panel control (local or remote program selectable via J3 jumper)

**Analog Programming Linearity:**  $\pm 1\%$

## OPTIONS

**M1:** Factory configured for 115 Vac input. (1kW units only)

**M9C Internal IEEE-488/RS-232 Interface:** See pages 50 and 51

**M33:** Replace input connector with terminal block (3 kW only)

**M44:** 400 Hz input frequency (3 kW only)

**M51:** Isolated programming control of either the output current or voltage using analog signals that can be biased up to 600V relative to the supply's return line.

**M85:** Slave multichannel interface control. See page 50

## ACCESSORIES

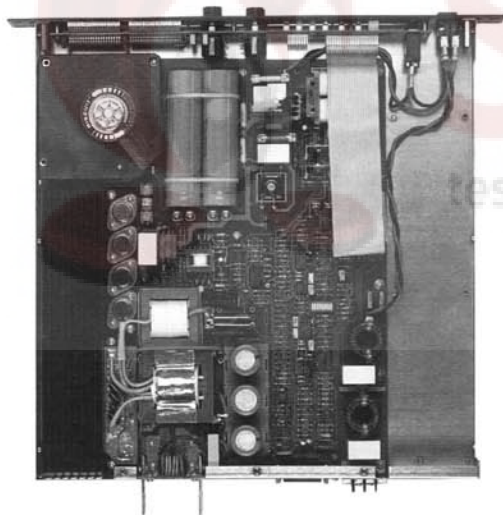
**Chassis Slide Kit:** (3 kW only)  
 P/N: 1064245-1

### Remote Programming (Full Scale Input)

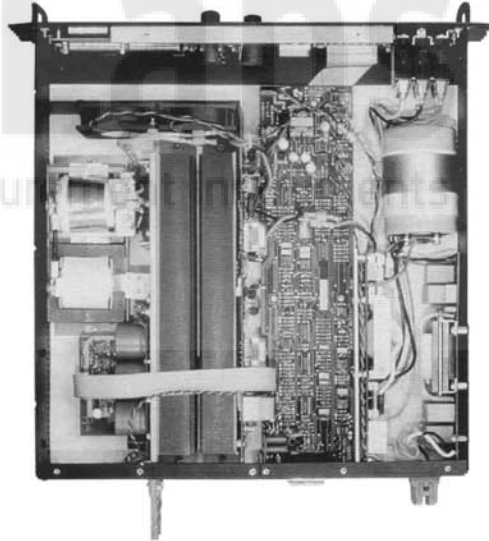
Parameter	Resistance ( $\Omega$ )	Voltage (V)	Current (mA)
Voltage	5k	5, 10	1
Current	100, 5k <sup>1</sup>	0.1, 5, 10 <sup>2</sup>	1
OVP	5k <sup>3</sup>	5, 10	1 <sup>3</sup>

**NOTES:** 1. 5 k $\Omega$  only on 3 kW 2. 5 and 10V on 3 kW only. 3. 1 kW only.  
 (Scales are selectable via internally-mounted switch).

1 kW and 2 kW Model

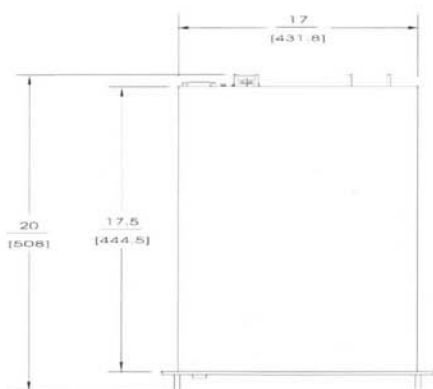


3 kW Model

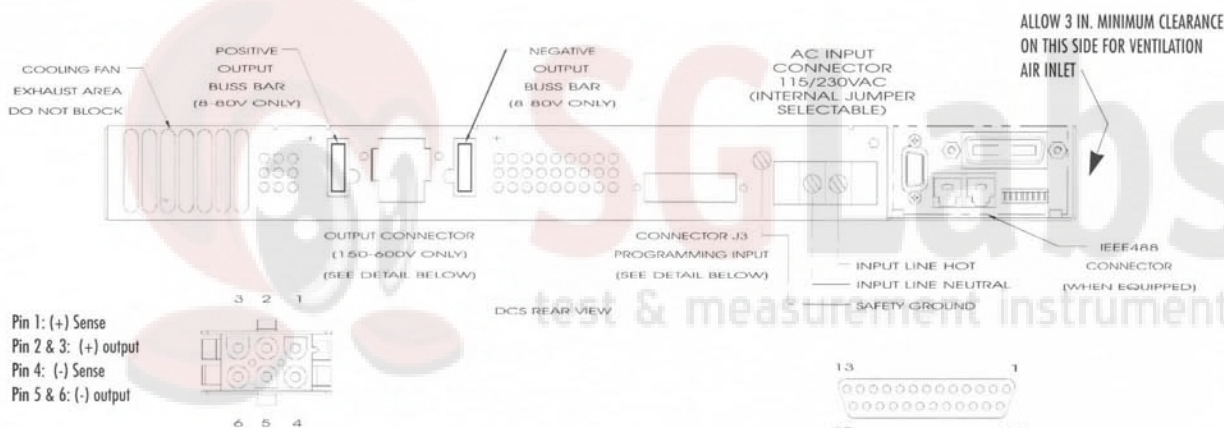
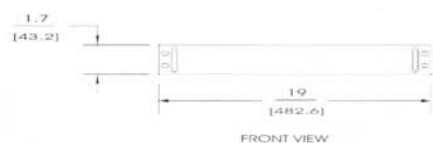


# DCS SERIES • DIMENSIONAL DRAWINGS

## CASE 1 - 1 kW



WT.	LB.	KG.
	19	8.6



Pin 1: (+) Sense  
Pin 2 & 3: (+) output  
Pin 4: (-) Sense  
Pin 5 & 6: (-) output

150-600V OUTPUT CONNECTOR DETAIL  
SUPPLIED ONLY WITH 150-7, 300-3.5, AND 600-1.7 MODELS.  
MATING CONNECTOR AND SOCKET PINS SUPPLIED.



### OUTPUT CONNECTOR - 1 kW Models DCS8-125 thru DCS80-13

**Connector:** Copper bus bars, nickel plated

**Dimensions:** 1.365 in. x 0.8 in. x 0.125 in.

**Space Between Bus Bars:** Two 0.257 in. dia. holes on 0.5 in. centers (1/4 in. hardware). Two 0.191 in. dia. holes on 0.4 in. centers (#10 hardware)

### OUTPUT CONNECTOR - 1 kW Models DCS150-7 thru DCS600-1.7

**Connector:** 6-pin AMP Universal Mate-N-Lock

**Chassis Mount Parts:**

Housing—AMP No. 1-480705-0

Pins—AMP No. 350547-1

**Mating Connector Parts:**

Housing—AMP No. 1-480704-0 or Sorensen No. MI-4874-UM

Socket Pins—AMP No. 350550-1 or Sorensen No. MC-3550-ML

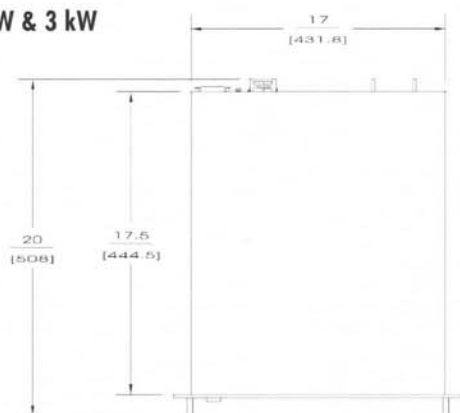
- |                                   |                                    |
|-----------------------------------|------------------------------------|
| 1- 90 TO 250 VAC REMOTE SHUTDOWN  | 14- TTL SHUT DOWN                  |
| 2- SHUTDOWN RETURN                | 15- +12 VDC                        |
| 3- OVP PROGRAM                    | 16- 1 mA CURRENT SOURCE (OVP)      |
| 4- REMOTE/LOCAL STATUS INDICATOR  | 17- OVP INDICATOR                  |
| 5- MODE STATUS INDICATOR          | 18- THERMAL S/DN STATUS            |
| 6- GROUND                         | 19- 0-5V VOLTAGE MONITOR           |
| 7- 0-5V CURRENT MONITOR           | 20- REMOTE VOLTAGE SELECT          |
| 8- VOLTAGE CONTROL                | 21- 1 mA CURRENT SOURCE (V)        |
| 9- VOLTAGE PROGRAM INPUT          | 22- 1 mA CURRENT SOURCE (I)        |
| 10- CURRENT PROGRAM UNIT          | 23- REMOTE CURRENT SELECT          |
| 11- CURRENT CONTROL               | 24- RETURN                         |
| 12- RETURN SENSE                  | 25- POS OUTPUT (8-80V MODELS ONLY) |
| 13- POS SENSE (8-80V MODELS ONLY) |                                    |

Note: All dimensions are in inches (mm)



# DCS SERIES • DIMENSIONAL DRAWINGS

## CASE II - 2 kW & 3 kW



TOP VIEW

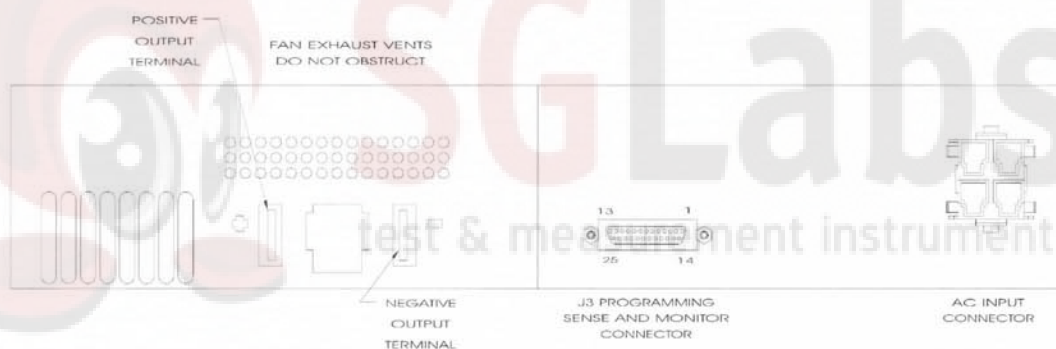
WT.	LB.	KG.
2 kW	27	13
3 kW	33	15



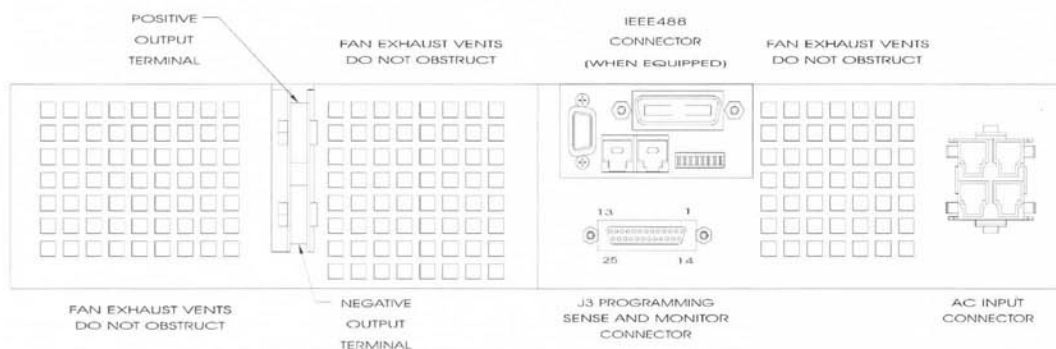
FRONT VIEW



SIDE VIEW



2 kW DCS REAR VIEW



3 kW DCS REAR VIEW

### INPUT CONNECTOR - 2 kW & 3 kW Models

#### Chassis Mount Parts:

Housing - AMP No. 641685-2

Pins - AMP No. 350821-1

#### Mating Connector Parts:

Housing - AMP No. 643267-1 or Sorensen No. MI-6432-672

Socket Pins - AMP No. 350821-1 or Sorensen No. MC-3508-211

### OUTPUT CONNECTOR - 3 kW Models

Connector: Copper buss Bars, nickle plated

Dimensions: 2.25 in. x 1 in. x .125 40-150V, .250 8-20V

Space Between Buss Bars: 1.36 in. centers.

Holes in Buss Bars: One, .332 in. dia. hole (1/4 in. hardware).

Two, .191 in. dia. holes on .34 in. centers (#10 hardware).

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