Table 1-1 Specifications

DCR-T SPECIFICATIONS
10K WATT SERIES

DCRT Model	OUTPUT POWER				Constant Voltage Mode					Temp. Coeff. Voltage mV/°C	Voltage Drift % Eo Max. (Typ.)	Programming Constants Voltage Mode	
	Voltage (Vdc)	Current (Adc) 50°C	60°C	70°C	Regulation Line & Load mV[1]	Ripple (PARD) mV rms	mV p-p	Resolution	Transient Response Time ms (Typ.)			Ohms/V	V/V
16-625T5	0-16	625	531	375	8-16	30	100	Note 4	40	3.2	.05	625	Note 4
32-310T5	0-32	310	264	186	16-32	20	120	Note 4	40	6.4	.05	313	Note 4
55-180T5	0-55	180	153	108	27-55	20	120	Note 4	40	11.0	.05	182	Note 4 .
80-125T5	0-80	125	106	75	40-80	20	120	Note 4	40	16.0	.05	125	Note 4
110-90T5	0-110	90	77	54	55-110	40	140	Note 4	40	22.0	.05	91	Note 4
160-62T5	0-160	62	53	37	80-160	60	180	Note 4	40	32.0	.05	63	Note 4
300-33T5	0-300	33	28	20	150-300	100	300	Note 4	40	60.0	.05	33	Note 4
600-16T5	0-600	16	14	9.6	300-600	150	600	Note 4	40	120.0	.05	17	Note 4

NOTE 1: Regulation range as stated 0.1% of voltage or current, or stated range, whichever is greater.

NOTE 4: Contact factory.

COMMON SPECIFICATIONS

DC OUPUT CONSTANT VOLTAGE MODE:

Voltage Regulation: Line Load combined: All models 0.1% of the voltage setting or specification in table, whichever is greater.
Temperature Coefficient: 0.2%/°C of Eo max
Voltage Signal Programming: 100 mV per 1% of rated output. (0-10V for 0-100% of rated output.)
Resistive Programming: 100 ohms per 1% of rated output. (0-10) k ohms for 0-100% of rated output.)
Stability: 0.1% Eo max. for 8 hours after 30 minute warm up with fixed line, load and temperature.
Remote Sensing: 3 to 10V max. drop + line. 0.75V max. drop - line.
Transient Response: 40 ms (typical) to return to ± 1% band for a step load change of 50% to 100% or 100% to 50% of full load.

INPUT:

T1 - 208 Vac ± 10% @ 60Hz.
T2 - 380 Vac ± 10% @ 50Hz.
T3 - 405 Vac ± 10% @ 50Hz.
T4 - 440 Vac ± 10% @ 60Hz.
T5 - 480 Vac ± 10% @ 60Hz.

OPERATING DATA:

Efficiency: 60% to 80% of full rated output depending on model.
Series Operation: 200 Vdc maximum; consult factory for series operation of more than 2 units.
Parallel Operation: Direct paralleling of any number of units.
Overvoltage Protection: Standard.
Ambient Operating Temperature Range: 0 to 70°C.
Storage Temperature Range: -45°C to +70°C.
Cooling: Forced Air.

Table 1-1 Specifications Cont'd

DCR-T SPECIFICATIONS
10KW SERIES

DCRT Model	Constant Current Mode: Regulation mA[1]	Constant Current Mode: Ripple (PARD) mA rms	Constant Current Mode: Resolution (Typ.)	Temp Coeff Current mV/°C	Current Drift % Fo Max. (Typ.)	Programming Constants Current Mode: Ohms/V	Programming Constants Current Mode: V/V	Standard Input Power (3 phase, 60 ± 1 hz): Voltage Vac	Standard Input Power (3 phase, 60 ± 1 hz): Current Aac (Max.)[2]	Power Factor (Typ.): Lead	Power Factor (Typ.): Lag	Efficiency[3] %	Case Size
16-625T5	312-625	2000	Note 4	250	.05	16.0	Note 4	432-528	24.3	.9	.2	60	III
32-310T5	155-310	1500	Note 4	124	.05	32.0	Note 4	432-528	23.9	.9	.2	61	III
55-180T5	90-180	900	Note 4	72	.05	56.0	Note 4	432-528	23.1	.9	.2	63	III
80-125T5	62-125	900	Note 4	50	.05	80.0	Note 4	432-528	22.8	.9	.2	64	III
110-90T5	45-90	800	Note 4	36	.05	111.0	Note 4	432-528	22.4	.9	.2	65	III
160-62T5	31-62	480	Note 4	25	.05	161.0	Note 4	1432-528	22.4	.9	.2	66	III
300-33T5	16-33	240	Note 4	13	.05	303.0	Note 4	432-528	21.8	.9	.2	67	III
600-16T5	8-16	120	Note 4	6	.05	625.0	Note 4	432-528	21.8	.9	.2	67	III

NOTE 1: Regulation range is 0.1% of voltage or current, or stated range, whichever is greater.

NOTE 2: Line current at min. line voltage.

NOTE 3: Efficiency taken at max. power out and nominal ac volts input.

NOTE 4: Contact factory.

COMMON SPECIFICATIONS

CONSTANT CURRENT MODE:

Current Regulation: Line and load combined: All models 0.1% fo max. of the output current setting or specification in table, whichever is greater.
Temperature Coefficient: 0.04%/°C of fo max.
Current Signal Programming: 100 mV per 1% of rated output. (0-10V for 0 100% of rated output.)
Resistive Programming: 100 ohms per 1% of rated output. (0-10 kohms for 0-100% of rated load.)
Stability: 0.2% fo max. for 8 hours after 30 minute warm up with fixed line, load and temperature.

DCRT ACCESSORIES:

Chassis Slides: Part No. 1060247-1 (Optional).
Digital Programmer: Available for all models in DCRT Series. IEEE-488 Interface to GPIP Bus. Order Model 488 MICRO-DAP.

OPTIONAL EQUIPMENT:

OVP: OVP shutdown is standard.
Option: SCR crowbar M5.

METERING:

Digital: Standard
Analog: add M52

DCRT INPUT VOLTAGE			
T1	208V	60HZ	STD. U.S. VOLTAGE
T2	380V	50HZ	STD. CONTINENTAL EUROPE VOLTAGE
T3	415V	50HZ	STD. BRITISH ISLES VOLTAGE
T5	480V	60HZ	STD. U.S. VOLTAGE

CASE SIZE	DIMENSIONS IN. (mm) HEIGHT	WIDTH	LENGTH	WEIGHT lb. (kg)
III	12.25(311.2)	19(482.6)	24(609.6)	310(682)