

Table 1-1 Specifications

DCR-B2 SPECIFICATIONS
2700 WATT SERIES

DCR Model	OUTPUT POWER			Constant Voltage Ripple (PARD) (mV rms)	Constant Current Ripple (PARD) (mA rms)	TEMP/CO		REMOTE PROGRAMMING		SIGNAL (Volt In/ Efficiency Volt Out) (% Typ.)	INPUT POWER		OUTPUT IMPEDANCE (Typical)			
	Voltage (Vdc)	Current (A/dc)	70°C			(mV/°C)	(mA/°C)	(Ohms/V)	(Ohms/A)		Voltage Range (Vdc)	Current Max (Aac)	Power Factor	120Hz	10kHz	
20-115B2	0-20	150	58	65	375	3.0	35	600	3.5	1/2	70	187-229	22	.60	.007	.018
40-70B2	0-40	70	40	90	157	6.0	21	300	6	1/4	77	187-229	24	.58	.012	.030
60-45B2	0-60	45	26.5	125	93	9.0	13.5	200	9	1/6	80	187-229	23	.56	.016	.040
80-33B2	0-80	33	20	150	61	12.0	9.9	150	12	1/8	81	187-229	21	.57	.024	.055
150-18B2	0-150	18	10	300	36	22.5	5.4	80	22	1/15	83	187-229	21	.58	.060	.060
300-9B2	0-300	9	5.5	700	21	45.0	2.7	40	44	1/30	83	187-229	20	.57	.360	.400
600-4.5B2	0-600	4.5	2.5	1200	9	90.0	1.35	20	89	1/60	85	187-229	20	.57	1.00	1.10

Notes:

1. Optional Inputs: 208V, 220V, 230V (Options M1, M2, M3 respectively).

2. At 208V input.

COMMON SPECIFICATIONS

General:

- Voltage Mode:**
- Regulation:** 0.03% with load change (NL-to-FL or FL-to-NL) and a full line-voltage change combined.
- Resolution:** 0.05% of Eo max. (typical)
- Drift (% Eo max):** 0.1% typical, for 8 hours after 30-minute warmup with constant line, load, and ambient temperature.
- Transient Response:** 50ms (typical) to return to ±1% band for a step load change 50%-100% or 100%-50% of full load (28V models ±2%).
- Below 60Hz, ripple and transient response characteristics will deteriorate by a factor of (60/x)² where F is the input frequency.
- Current Mode:**
- Regulation:** 0.25% with 0-95% compliance-voltage change and ±10% line voltage change combined.
- Resolution:** 0.05% of Io max (typical)
- Drift (% Io max):** 0.15% (typical)

- Series Operation:** To 200 Vdc Maximum. (150 and 300 volt models, only two in series); 600 volt model, no series operation.
- Parallel Operation:** By master-slave (four units maximum) or straight parallel.
- Remote Sensing:** See paragraph 3.2.2
- Operating Temperature Range:** 0°C to 71°C
- Storage Temperature:** -40°C to +85°C
- Isolation Voltage:** 1000 Vdc input to output.
- Finish:** Bondertize-Black semi-gloss with white lettering.
- Overload/Short-circuit Protection:** Adjustable current limiting with automatic recovery.
- Overvoltage Protector:** Fully adjustable OVP on all models.
- Average Weight:** 105 lbs.