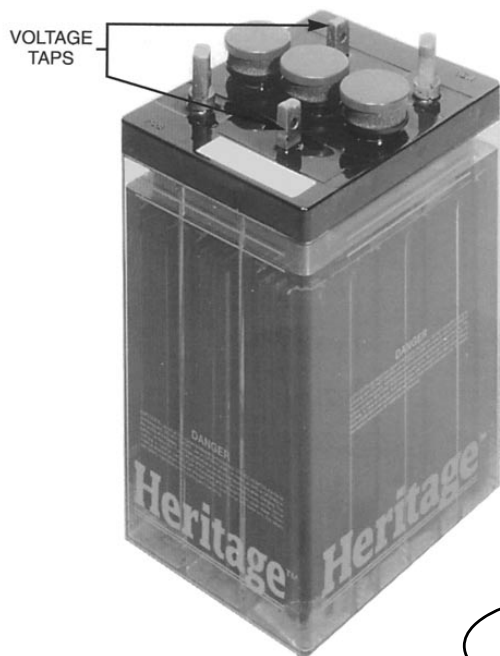


## CALCIUM FLAT PLATE

B A T T E R I E S



### Description

The Heritage CC battery has been carefully engineered to meet the varying power demands of the utility market. Its 0.28 inch thick positive grids are one of the thickest in the industry, making it an excellent long discharge rate battery. At the same time, its nearly square plate configuration enhances high rate performance. Coupling these two operating characteristics with multi-cell construction to minimize floor space, makes the CC battery ideally suited for multi-power profile requirements of the utility market.

Most battery manufacturers that provide multi-cell units in a jar, connect the adjoining cells with over-the-wall-partition welds. Since these connections can be below the cover, it may be impossible to monitor individual cell performance. The CC battery has individual voltage taps (posts) on top of the battery solely for the purpose of monitoring individual cell performance.

This calcium design, with its low maintenance characteristics, thick grids, long life and proven reliability, also makes it an ideal backup power supply for the telecommunications industry.

### Features

- Calcium grids require less maintenance because of reduced watering requirement.
- Voltage taps to monitor individual cell performance in a multi-cell container.
- Thick grids provide excellent long discharge rate performance.
- Square plate configuration enhances high rate performance.

#### Applications

- Switchgear
- Utility
- Telecommunications

#### Durable

- 20 year life expectancy in float service at 77°F ambient temperature.

#### Performance

- Capacity from 50 Ah to 200 Ah.

M O D E L

# CC

## 50-200Ah

A P P L I C A T I O N S :

**SWITCHGEAR**  
**UTILITY**  
**TELECOMMUNICATIONS**

### Specifications

#### PLATES THICKNESS:

- POSITIVE: 0.28 in/7.1 mm
- NEGATIVE: 0.20 in/5.1 mm

#### PLATE SUSPENSION TYPE:

- POSITIVE: Bottom supported
- NEGATIVE: Bottom supported

#### SEDIMENT SPACE: 1.0 in/25 mm

#### ELECTROLYTE OVER PLATES:

- 1.5 in/38 mm

#### SPECIFIC GRAVITY: 1.215 (1.250 available upon request)

#### CONTAINER:

- Styrene Acrylonitrile Copolymer

#### COVER:

- Made from Flame retardant ABS (UL94-V0/L.O.I. 28%)

#### SEPARATORS:

- Microporous rubber

#### BOLT CONNECTORS:

- Stainless steel, standard English measure, hex-head

#### INTERCELL CONNECTORS:

- Lead-plated copper

#### RETAINERS: "Vitrex" - glass fiber

#### FLOAT VOLTAGE SETTING:

- ACCEPTABLE MIN/MAX: 2.17/2.26 VPC
- RECOMMENDED: 2.25 VPC

#### VENT TYPE:

- Flame arrestor, fused alumina

#### POST TYPE:

- Canted single post with intercell voltage taps

#### POST SEAL TYPE:

- Compression rubber bushing, epoxy sealed

# AVERAGE CELL PERFORMANCE DATA\* (Discharge Rates in Amperes\*\*)

TYPE	NOM. Ah CAP. <sup>1</sup>	72 HR	24 HR	12 HR	8 HR	5 HR	4 HR	3 HR	2 HR	1.5 HR	1 HR	30 MIN	15 MIN	1 MIN
TO 1.75 END VOLTS PER CELL														
2CC-3	50	0.9	2.5	4.4	6.3	8.8	10.4	12.9	17.3	21.0	27.0	37.8	48	75
3CC-3	50	0.9	2.5	4.4	6.3	8.8	10.4	12.9	17.3	21.0	27.0	37.8	48	75
2CC-5	100	1.9	5.0	8.8	12.5	17.6	20.7	25.7	34.6	42.0	54.0	75.6	96	148
3CC-5	100	1.9	5.0	8.8	12.5	17.6	20.7	25.7	34.6	42.0	54.0	75.6	96	148
2CC-7	150	2.8	7.5	13.2	18.8	26.4	31.0	38.6	51.9	63.0	81.0	113.0	144	219
3CC-7	150	2.8	7.5	13.2	18.8	26.4	31.0	38.6	51.9	63.0	81.0	113.0	144	219
2CC-9	200	3.8	10.0	17.6	25.0	35.2	41.4	51.4	69.2	84.0	108.0	151.0	192	288
3CC-9	200	3.8	10.0	17.6	25.0	35.2	41.4	51.4	69.2	84.0	108.0	151.0	192	288
TO 1.81 END VOLTS PER CELL														
2CC-3	50		2.5	4.3	5.9	8.2	9.6	11.8	15.4	18.5	23.3	31.5	39	59
3CC-3	50		2.5	4.3	5.9	8.2	9.6	11.8	15.4	18.5	23.3	31.5	39	59
2CC-5	100		5.0	8.6	11.8	16.4	19.2	23.5	30.9	37.0	46.5	63.0	78	116
3CC-5	100		5.0	8.6	11.8	16.4	19.2	23.5	30.9	37.0	46.5	63.0	78	116
2CC-7	150		7.5	12.9	17.7	24.6	28.8	35.3	46.3	55.5	69.8	94.5	117	171
3CC-7	150		7.5	12.9	17.7	24.6	28.8	35.3	46.3	55.5	69.8	94.5	117	171
2CC-9	200		10.0	17.2	23.6	32.8	38.4	47.0	61.8	74.0	93.0	126.0	156	223
3CC-9	200		10.0	17.2	23.6	32.8	38.4	47.0	61.8	74.0	93.0	126.0	156	223
TO 1.84 END VOLTS PER CELL														
2CC-3	50		2.2	4.1	5.6	7.8	9	11	14	17	21	29	35	49
3CC-3	50		2.2	4.1	5.6	7.8	9	11	14	17	21	29	35	49
2CC-5	100		4.5	8.1	11.2	15.7	18	22	29	34	42	57	70	99
3CC-5	100		4.5	8.1	11.2	15.7	18	22	29	34	42	57	70	99
2CC-7	150		6.7	12.2	16.8	23.5	27	33	43	51	64	86	105	148
3CC-7	150		6.7	12.2	16.8	23.5	27	33	43	51	64	86	105	148
2CC-9	200		9.0	16.3	22.4	31.4	37	44	57	68	85	114	141	198
3CC-9	200		9.0	16.3	22.4	31.4	37	44	57	68	85	114	141	198
TO 1.88 END VOLTS PER CELL														
2CC-3	50		2.1	3.8	5.2	7.2	8	10	13	15	19	25	30	38
3CC-3	50		2.1	3.8	5.2	7.2	8	10	13	15	19	25	30	38
2CC-5	100		4.2	7.6	10.4	14.4	17	20	26	30	37	49	60	76
3CC-5	100		4.2	7.6	10.4	14.4	17	20	26	30	37	49	60	76
2CC-7	150		6.2	11.4	15.6	21.6	25	30	38	45	56	74	90	114
3CC-7	150		6.2	11.4	15.6	21.6	25	30	38	45	56	74	90	114
2CC-9	200		8.3	15.1	20.8	28.8	33	40	51	60	74	99	120	152
3CC-9	200		8.3	15.1	20.8	28.8	33	40	51	60	74	99	120	152

\*Ampere values listed represent 100% of the cell's capacity. Initial capacity shall be a minimum of 90% of these values per IEEE 450.

\*\*1.215 S.G. electrolyte at 77°F (25°C) includes intercell connector drop.

<sup>1</sup>Nominal AMP hour capacity at the 8 hour rate.

All data subject to change without notice.

# Capacities - Dimensions - Weights

TYPE*	NOM. Ah CAP.	OVERALL DIMENSIONS						WEIGHTS - VOLUMES								OUTLINE DRAWING SEE CATALOG SECTION
		LENGTH (L)		WIDTH (W)		HEIGHT (H)		UNPACKED		DOMESTIC PACKED		ELECTROLYTE ONLY 1.215 S.G.				
		in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs	lbs	kgs	gal	l	
2CC-3	50	7.0	178	9.0	229	13.4	340	33	15.0	43	19.5	13	5.9	1.3	4.9	57.20
3CC-3	50	7.0	178	9.0	229	13.4	340	54	24.5	59	26.8	21	9.5	2.1	7.8	
2CC-5	100	7.0	178	9.0	229	13.4	340	48	21.2	52	23.6	11	5.0	1.1	4.1	
3CC-5	100	7.0	178	9.0	229	13.4	340	68	30.8	73	33.1	17	7.7	1.7	6.4	
2CC-7	150	12.2	310	9.0	229	13.4	340	75	34.0	83	37.6	23	10.4	2.3	8.6	
3CC-7	150	12.2	310	9.0	229	13.4	340	105	47.6	112	50.8	32	14.5	3.2	12.0	
2CC-9	200	12.2	310	9.0	229	13.4	340	85	38.6	92	41.7	22	10.0	2.2	8.2	
3CC-9	200	12.2	310	9.0	229	13.4	340	122	55.3	130	59.0	31	14.1	3.1	11.6	

\*Prefix number indicates cells per unit. Suffix number indicates total plates per cell.

All data subject to change without notice.

## Short Circuit Current

TYPE	AMPS
2CC-3	536
3CC-3	536
2CC-5	1055
3CC-5	1055
2CC-7	1557
3CC-7	1557
2CC-9	2044
3CC-9	2044

MODEL  
**EXIDE**  
**CC**

**Heritage™**

**CALCIUM FLAT PLATE**

B A T T E R I E S

## Accessories

	CATALOG NUMBER
†CELL NUMBER SET	1-12 802360
	1-24 802361
	1-60 802362
	1-120 802363
	1-240 802364
	1-300 802365
†PORTABLE HYDROMETER	81332
†HYDROMETER HOLDER - WALL MOUNT	27717
†THERMOMETER	88330
(Portable or funnel-type flame arrestor mounting)	
§CELL LIFTING DEVICE	62260
FLAME ARRESTOR (Supplied With Each Cell)	81099

†Included with 12 or more cells

§ Extra cost

For complete information about these and all other accessories, see Catalog **SECTION 80.05**.

**NOTE:** All inter-cell, inter-tier, inter-step, end-to-end inter-rack, back-to-back inter-rack connectors, terminal lugs, and terminal plates are included with every battery. Across-aisle inter-rack connectors are not included.

All data subject to change without notice.



Represented by:

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