

DCM0100



Outrageously Dependable™

DEEP CYCLE MOBILITY



DCM0100 VALVE-REGULATED LEAD-ACID BATTERY FOR DEEP-CYCLE APPLICATIONS

FEATURES

- Robust plate for extended cycle life
- Computer-generated grid design optimized for high-power density
- Low-calcium grid alloy for reduced gas emissions and ease of recycling
- Flame-arresting, one-way pressure-relief vent for safety and long life
- UL-recognized component
- Multicell design for economy of installation and maintenance
- Case and cover available in standard polypropylene
- Thermally welded case-to-cover bond to eliminate leakage
- Carrying handles
- Can be used in any orientation: upright, side or end mounting recommended
- Longest cycle life available
- Absorbed Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance
- Not restricted for air transport — complies with IATA/ICAO Special Provision A67
- Not restricted for surface transport — classified as nonhazardous material as related to DOT-CFR Title 49 parts 173.159
- Not restricted for water transport — classified as nonhazardous material per IMDG Amendment 27
- Manufactured by an ISO9001 certified facility

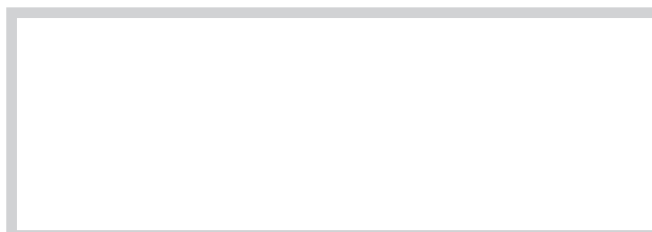
12 Volts — 100 Amp-Hour
Capacity @ 20-Hour Rate

Ampere-Hour Capacity to 1.75 Volts per Cell @ 77° F (25° C) 10.5 Volts per 12 Volt Battery

	Approximate Discharge in Hours			
	20	10	5	1
Amp-Hour Capacity	100	95	76	52

Interstate Battery System International, Inc.

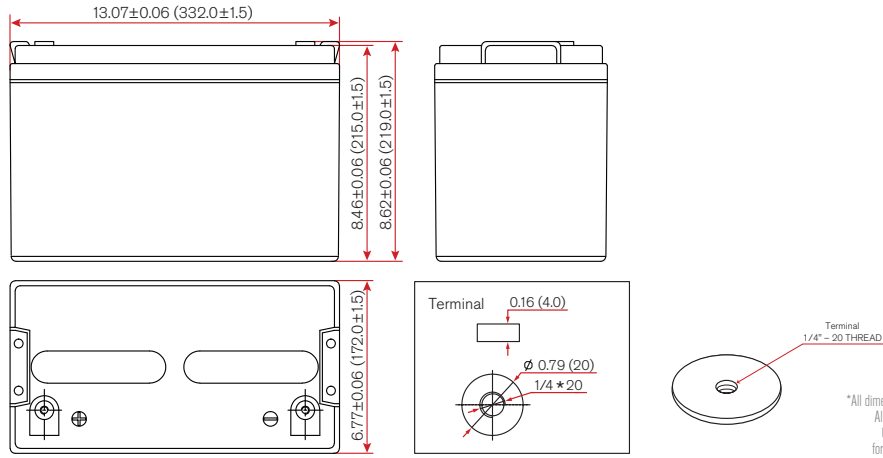
12770 Merit Drive, Suite 1000
Dallas, TX 75251
Customer Service: 1-888-772-3600



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*All dimensions in inches and (millimeters).
All dimensions are for reference only.
Contact an Interstate representative
for complete dimensional information.

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DCM0100 Specifications

Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Max. Discharge Current	Short Circuit Current	Ohms Imped. 60 Hz
6	12	65 lbs. 29.5 kg	Absorbed H ₂ SO ₄ SG = 1.30	500 Amps	1500 Amps @ 0.1 sec.	5 mΩ

Capacity	100 Ah @ 20 hr. rate to 1.75 volts per cell @ 77°F (25°C)
Operating Temperature Range (with temperature compensation)	Discharge: -40°F (-40°C) to +160°F (71°C) Charge: -10°F (-23°C) to +140°F (60°C)
Recommended Operating Temperature Range	+74°F (23°C) to +80°F (27°C)
Equalization and Cycle Service Charging and Current Limits	≤ 40 A, 14.5 V - 14.9 V
Float Voltage	13.5 - 13.8
Self Discharge	Interstate batteries may be stored for up to six months at 77°F (25°C), and then a freshening charge is required. For higher temperatures, the time interval will be shorter.
Terminal	Insert, threaded female, 1/4" - 20 (hardware included)

Constant Current Discharge Ratings

Amperes @ 77° F (25° C)													
End Point Volts/Cell	A: Amps W: Watts	5 min.	10 min.	15 min.	30 min.	1 hr.	2 hr.	3 hr.	4 hr.	5 hr.	8 hr.	10 hr.	20 hr.
9.60V	A	351.5	256.5	180.5	109.3	57	33.3	24.4	19	15.7	11	10	5.4
	W	3732.6	2818.7	1917.1	1160	660.3	384.8	283.1	220.4	181.5	128.3	115.9	62.4
10.20V	A	309.7	233.7	161.5	103.6	53.6	31.7	23.8	18.5	15.4	10.8	9.7	5.3
	W	3438.1	2594.5	1792.7	1149.5	620.4	367.7	275.5	214.7	178.1	125.4	113.1	60.8
10.50V	A	298.3	222.3	152	100.7	52.3	31	23.2	18.2	15.2	10.7	9.5	5.2
	W	3383	2521.3	1723.3	1141.9	600.4	359.1	268.9	210.9	175.8	124.5	111.2	60
10.80V	A	286.9	210.9	142.5	97.9	50.4	30.2	22.6	18	14.8	10.5	9.5	5.1
	W	3339.3	2454.8	1658.7	1139.1	584.3	351.5	263.2	207.1	172.9	121.6	110.2	59.8
11.10V	A	275.5	199.5	133	95	48.5	29.5	21.9	17.4	14.4	10.2	9	4.9
	W	3278.5	2374.1	1582.7	1130.5	576.7	350.6	260.3	206.2	172	120.7	107.4	58