



## DEEP CYCLE MOBILITY



### DCM0075 VALVE-REGULATED LEAD-ACID BATTERY FOR DEEP-CYCLE APPLICATIONS

#### FEATURES

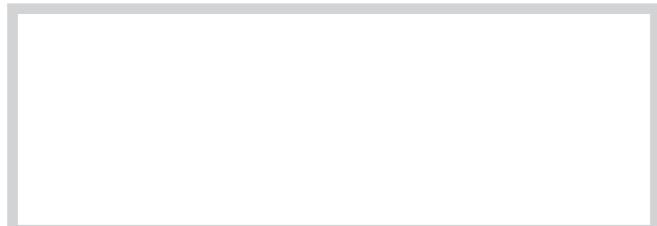
- Robust plate for extended cycle life.
- Computer-generated grid design optimized for high-power density.
- Low-calcium grid alloy for reduced gas emissions and ease of recycling.
- Flame-arresting, one-way pressure-relief vent for safety and long life.
- UL-recognized component.
- Multicell design for economy of installation and maintenance.
- Case and cover available in standard polypropylene.
- Thermally welded case-to-cover bond to eliminate leakage.
- Removable handles.
- Can be used in any orientation. Upright, side or end mounting recommended.
- Absorbent 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 171-189.
- Not restricted for water transport — classified as nonhazardous material per IMDG Amendment 27.
- Longest cycle life available.
- Manufactured by an ISO9001 certified facility.

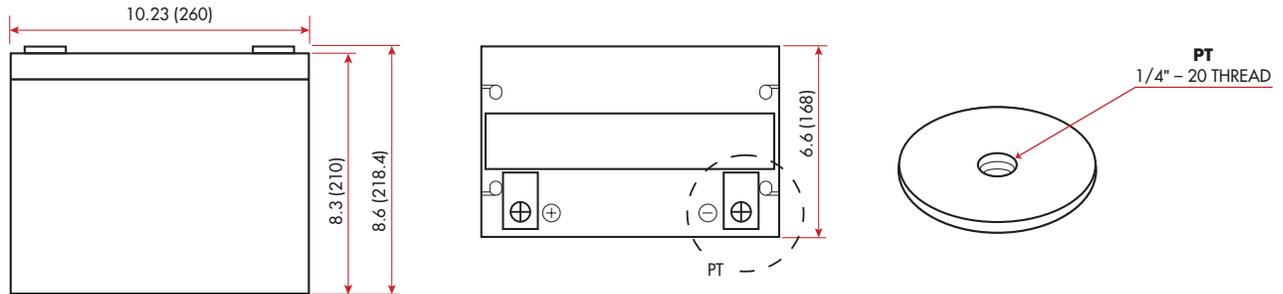
#### 12 Volts – 75 Ampere-Hour Capacity @ 20-Hour Rate

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	76	70	56	38

**Interstate Battery**  
**System of America, Inc.**  
12770 Merit Drive, Suite 1000  
Dallas, TX 75251  
Customer Service: 1-888-772-3600





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

## DCM0075 – Specifications

Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Max. Discharge Current	Short Circuit Current	Ohms Imped. 60 Hz
6	12	54 lbs. 24.5 kg	Absorbed H <sub>2</sub> SO <sub>4</sub> SG = 1.30	350 Amps	1050 Amps @ 0.1 sec.	8 mΩ

<b>Capacity</b>	75 Ah @ 20 hr. rate to 1.75 volts per cell @ 77°F (25°C)
<b>Operating Temperature Range (with temperature compensation)</b>	Discharge: -40°F (-40°C) to +160°F (71°C) Charge: -10°F (-23°C) to +140°F (60°C)
<b>Recommended Operating Temperature Range</b>	+74°F (23°C) to +80°F (27°C)
<b>Equalization and Cycle Service Charging and Current Limits</b>	≤ 30 A, 14.5 V – 14.9 V
<b>Self Discharge</b>	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.
<b>Terminal</b>	Insert, threaded female, 1/4" – 20 (hardware included)

## Constant Current Discharge Ratings – Amperes @ 77°F (25°C)

Operating Time to End Point Voltage (in hours)

End Point Volts/Cell		Operating Time to End Point Voltage (in hours)											
		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	259	189	133	81	42	25	18	14	11.6	8.1	7.4	4
	W	2750	2007	1412	855	486	284	208	162	134	94	85	46
10.20V	A	228	172	119	76.3	39.5	23.4	17.5	13.7	11.3	8	7.2	3.9
	W	2566	1911	1321	847	457	271	203	158	131	92	83	44.8
10.50V	A	220	164	112	74	38	22.8	17.1	13.4	11.2	7.9	7	3.8
	W	2493	1857	1270	841	443	264	198	156	130	92	82	44.3
10.80V	A	211	155	105	72	37	22.3	16.7	13.2	10.9	7.7	7	3.8
	W	2461	1809	1222	839	430	259	194	152	127	90	81	44
11.10V	A	203	147	98	70	36	21.7	16.1	12.8	10.6	7.5	6.7	3.6
	W	2416	1749	1166	833	425	258	192	152	127	89	79	42.7