



## DEEP CYCLE MOBILITY



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

#### FEATURES

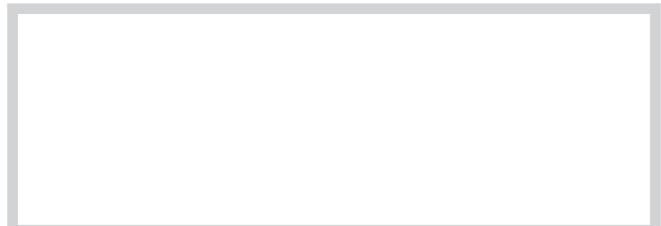
- Robust plate for extended cycle life.
- Computer-generated grid design optimized for high-power density.
- Low-calcium grid alloy for reduced gas emissions and ease of recycling.
- Flame-arresting, one-way pressure-relief vent for safety and long life.
- UL-recognized component.
- Multicell design 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.

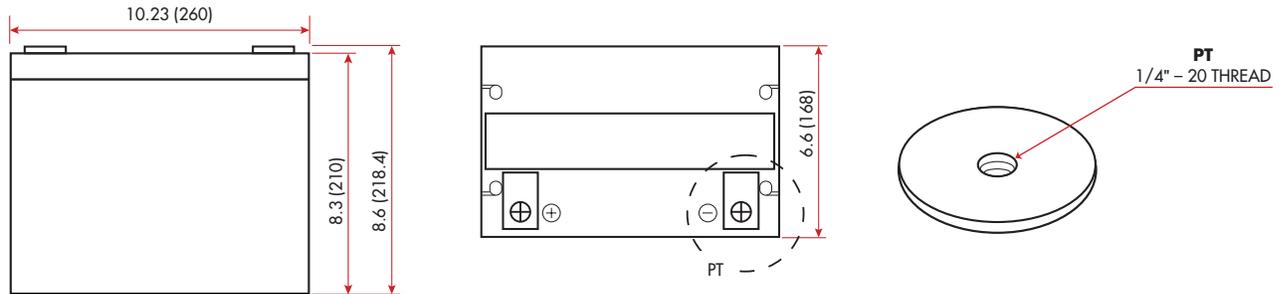
#### 12 Volts – 75 Ampere-Hour Capacity @ 20-Hour Rate

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





## DCM0075 – Specifications

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

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