

**DEEP CYCLE  
MOBILITY**



**DCM0040  
VALVE-REGULATED  
LEAD-ACID BATTERY  
FOR DEEP-CYCLE  
APPLICATIONS**

**FEATURES**

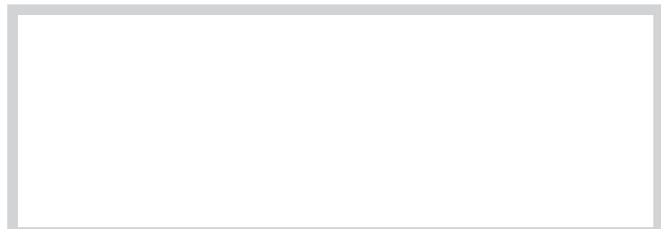
- Robust plate for extended cycle life.
- Computer-generated grid design optimized for high-power density.
- Low-calcium grid alloy for reduced gas emissions and ease of recycling.
- Flame-arresting, one-way pressure-relief vent for safety and long life.
- UL-recognized component.
- Multicell design for economy of installation and maintenance.
- Case and cover available in standard polypropylene.
- Thermally welded case-to-cover bond to eliminate leakage.
- 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 – 40 Ampere-Hour Capacity @ 20-Hour Rate**

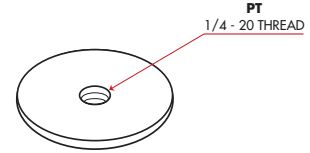
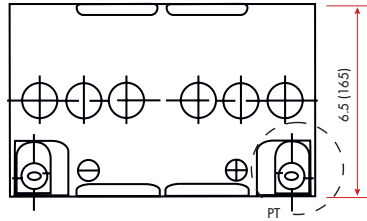
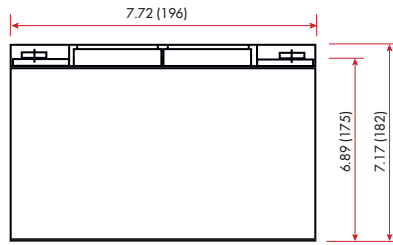
Ampere-Hour Capacity to 1.75 Volts per Cell @ 77°F (25°C)  
10.5 Volts per 12 Volt Battery

Approximate Discharge in Hours	20	10	5	1
Amp-Hour Capacity	42	38	30.5	20.9

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



# DCM0040



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

## DCM0040 – Specifications

Cells Per Unit	Voltage Per Unit	Weight	Electrolyte	Max. Discharge Current	Short Circuit Current	Ohms Imped. 60 Hz
6	12	28.7 lbs. 13 kg	Absorbed H <sub>2</sub> SO <sub>4</sub> SG = 1.30	200 Amps	600 Amps @ 0.1 sec.	9 mΩ

<b>Capacity</b>	40 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>	≤ 16 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		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	140.6	102.6	72.2	43.7	22.8	13.3	9.8	7.6	6.3	4.4
	W	1493	1127.5	766.8	464	264.1	153.9	113.2	88.2	72.6	51.3	46.4	25
10.20V	A	123.9	93.5	64.6	41.4	21.4	12.7	9.5	7.4	6.2	4.3	3.9	2.1
	W	1375.2	1037.8	717.1	459.8	248.1	147.1	110.2	85.9	57	50.2	45.2	24.3
10.50V	A	119.3	88.9	60.8	40.3	20.9	12.4	9.3	7.3	6.1	4.3	3.8	2.1
	W	1353.2	1008.5	689.3	456.8	240.2	143.6	107.5	84.4	70.3	49.8	44.5	24
10.80V	A	114.8	84.4	57	39.1	20.1	12.1	9	7.2	5.9	4.2	3.8	2.1
	W	1335.7	981.9	663.5	455.6	233.7	140.6	105.3	82.8	69.2	48.6	44.1	23.9
11.10V	A	110.2	79.8	53.2	38	19.4	11.8	8.7	7	5.8	4.1	3.6	1.9
	W	1311.4	949.6	633.1	452.2	230.7	140.2	104.1	82.5	68.8	48.3	42.9	23.2