

# DCS-75BT



## DCS-75BT VALVE-REGULATED LEAD-ACID BATTERY FOR DEEP-CYCLE MOBILITY APPLICATIONS 12V 64 AH @ 5 HR RATE 12V 75 AH @ 20 HR RATE

### 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 carrying 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 non-hazardous material as related to DOT-CFR Title 49 parts 171-189.
- Not restricted for water transport – classified as non-hazardous material per IMDG Amendment 27.
- Dual Bi-Marine Terminal to accept ring log and standard SAE automotive connections.
- Manufactured by an ISO9001 certified facility.

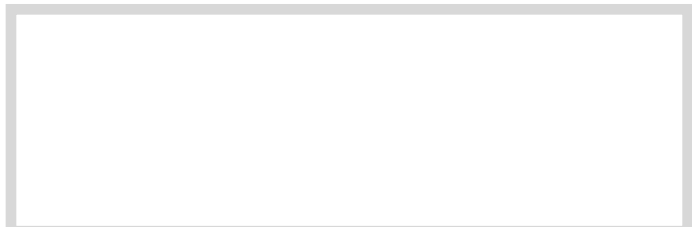
### 12-Volts – 75 Ampere Hour Capacity @ 20 Hour Rate

Ampere Hour Capacity to 1.75 Volts per Cell @ 77°F (25°C)

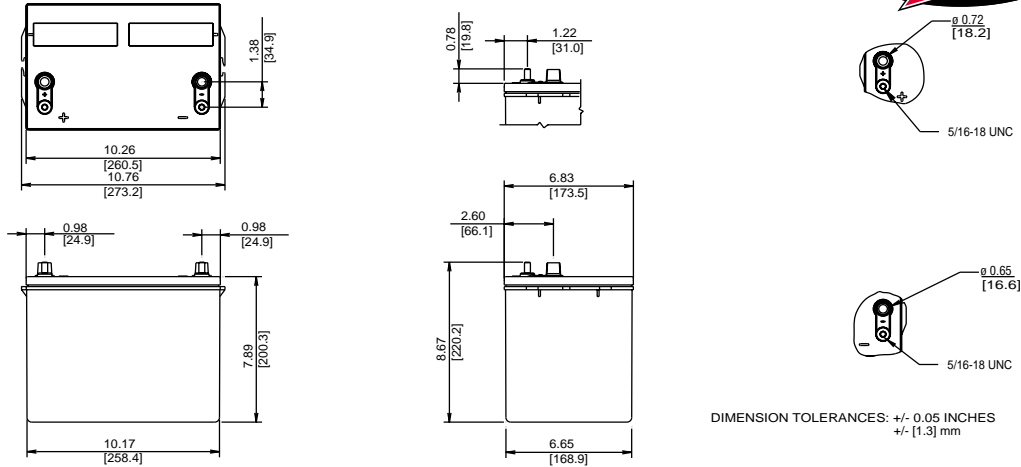
Discharge in Hours	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	10.00	12.00	20.00	24.00	72.00	100.00
Amp-Hr Capacity	49.0	56.0	59.7	62.1	64.0	66.0	67.3	69.0	71.0	72.1	75.0	75.5	77.4	78.0

#### Interstate Battery System of America, Inc.

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Customer Service: 1-888-772-3600



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DIMENSION TOLERANCES: +/- 0.05 INCHES  
+/- [1.3] mm

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

## DCS-75BT – Specifications

BCI Group Size	Cells Per Unit	Full Charge OCV	Weight	Electrolyte	Max. Discharge Current	Short Circuit Current	Ohms Imped. 60 Hz (Ω)
24	6	12.84	54 lbs. 25 kg	Absorbed H <sub>2</sub> SO <sub>4</sub> SG = 1.300	600 Amps	3100 Amps @ 0.1 sec.	0.0045 Ohms

<b>Capacity</b>	64.0 Ah @ 5 hr. rate to 1.75 volts per cell @ 77°F (25°C) 75.0 Ah @ 20 hr. rate to 1.75 volts per cell @ 77°F (25°C) 67.8 Ah @ 10 hr rate to 1.80 volts per cell @ 20°C (68°F)
<b>Operating Temperature Range</b>	<b>Discharge;</b> -40°F (-40°C) to +160°F (71°C), <b>Charge;</b> -10°F (-23°C) to +140°F (60°C) (with temperature compensation)
<b>Recommended Operating Temperature Range</b>	+74°F (23°C) to +80°F (27°C)
<b>Float Charging Voltage</b>	13.5 to 13.8 VDC/unit Average at 77°F (25°C).
<b>Recommended Maximum Charging Current Limit</b>	C/5 amperes (15.0 amperes @ 100% depth of discharge) @ 20 hour rate
<b>Equalization and Cycle Service Charging Voltage</b>	14.4 to 14.8 VDC/unit Average at 77°F (25°C).
<b>Maximum AC Ripple (Charger)</b>	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum AC ripple float charge voltage allowed = (4% P-P) Maximum AC ripple current allowed = 3.75 amperes RMS (C/20)
<b>Self Discharge</b>	Interstate's batteries may be stored for up to 6 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>	5/16-18 UNC stainless steel stud and standard SAE automotive posts.
<b>Terminal Hardware Initial Torque</b>	SAE post, 50-70 in.-lbs. Stud post – 1/2 turn past hand tight.
<b>Terminal Hardware Annual Retorque</b>	SAE post, 40-55 in.-lbs. Stud post – untighten then 1/2 turn past hand tight.

## Discharge Ratings (in amps) at Constant Discharge Time (in hours)

End Point Volts/Cell	.083	.25	.50	.75	1	2	3	5	8	10	12	20	24	72	100
1.90	126	90.0	61.0	50.0	39.0	24.2	17.3	11.6	7.75	6.40	5.42	3.29	2.75	0.94	0.69
1.85	161	110	70.0	56.7	43.5	25.5	18.3	12.1	8.05	6.60	5.59	3.50	2.94	1.02	0.74
1.80	190	121	77.0	62.0	47.0	27.0	19.3	12.6	8.39	6.92	5.86	3.67	3.08	1.06	0.77
1.75	212	131	81.0	65.0	49.0	28.0	19.9	12.8	8.63	7.10	6.01	3.75	3.15	1.08	0.78

**Note:** Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.