Liberty® DCS

THE LIBERTY DCS CYCLE SERIES BATTERY

For Renewable Energy Storage Applications

CAPACITIES UP TO 1834 AMPERE-HOURS

The Liberty DCS features the proven DCS technology for maximum cycle life in a space efficient, cost effective package. The DCS technology coupled with an advanced Nano-Carbon enhanced negative electrode provides time proven results and unmatched, industry leading cycle life, even in partial state of charge (PSoC) operation.

APPLICATIONS

- Remote/Hybrid Sites
- Communications
- Off-Grid/Renewable
- Grid scale energy storage
- Other cycling applications

FEATURES AND BENEFITS

- 20 year design life
- High density pasted plates for high cycle life
- Every cell capacity tested to ensure performance
- Nano-Carbon enhanced active material to maximize cycle performance and PSoC operation
- Low calcium Lead/Tin alloy plates for efficient gas recombination for long life in both cycling and float applications
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance
- Modular design for economy of installation and maintenance.
- Threaded copper alloy inserts for reduced maintenance and increased safety
- Reduced system hardware for rapid installation
- Terminal versatility - ease of diagnostic readings with C&D Ohmic Ring®
- Meets IBC and UBC seismic requirements
- High-strength, leak-free polymer container allows for non-restricted shipping:
  - Water: non-hazardous per IMDG Amendment 27
  - Surface: non-hazardous per DOT-CFR title 49, 171-189
  - Air: IATA/ICAO, provision A67
- 100% helium leak tested and dielectric tested to ensure seal integrity
- UL-recognized component
- Flame retardant UL94V0/28% LOI is optional

BATTERY CHARACTERISTICS

- Industry Leading Cycle Life

INDUSTRY LEADING CYCLE LIFE

- Depth of Discharge vs. Cycles

- Temperature Effects on Capacity

UL-recognized component
### CELL SPECIFICATIONS

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<td><strong>Charger compensation temperature/voltage</strong></td>
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#### Individual Cell Dimensions (not including module)

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Rapid System Assembly
PERFORMANCE SPECIFICATIONS

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You may also access the complete product binder by logging onto the C&D Battery Sizing Program at www.cdstandbypower.net

MODULE CONFIGURATIONS

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<td>28.25</td>
<td>718</td>
<td>670</td>
<td>81.76</td>
</tr>
</tbody>
</table>

* 20 hour rate to 1.75 VPC @ 77˚F (25˚C) - Ampere hours.

**Terminal Plates (standard)**

For 100LC17 through 100LC27 (Cover removed for clarity)

**Side Termination (optional)**

For 100LC29 through 100LC33 (Cover removed for clarity)

For 100LC17 through 100LC33 (Cover removed for clarity)

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