

## FOR ELECTRICAL VEHICLE APPLICATIONS

### Capacities from 18 to 45 Ampere-hours

C&D Technologies' Deep Cycle Series (DCS) valve regulated lead acid (VRLA) batteries are engineered to provide superior performance and reliability over the life of the product. These batteries are designed and manufactured for maximum life in applications which are a combination of float and cycle service or for frequent cycling applications.

### FEATURES & BENEFITS

#### LEADING CYCLIC LIFE

- Long cyclic life performance (up to 5000x at 30-percent depth of discharge (DoD))
- Performs well at lower temperatures and low temperature pulse power
- Pulse power capability down to -40°C (-40°F)

#### EASY MAINTENANCE

- Universal footprint and terminals for simple replacements
- High charging acceptance ability – up to 0.6C maximum charging current
- Two times (2x) service warranty

#### SAFE OPERATION

- Thicker absorbant glass mat (AGM) increases safety and reliability
- C&D® Nano-Carbon Technology allows for partial state-of-charge (PSoC) and reduces concern for undercharging and sulfation
- Complies with the International Electrotechnical Commission's international standard testing **IEC 60095-1 Class B** for lead-acid starter batteries



DCS-18UNC RIT



DCS-33UNC RIT

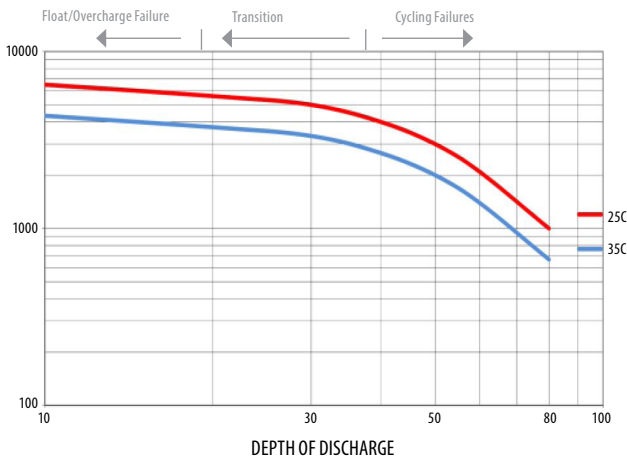


DCS-40UNC RIT

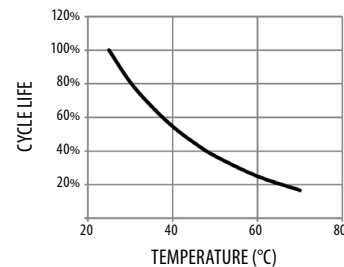


DCS-45UNC RIT

### INDUSTRY LEADING CYCLIC LIFE



### CYCLE LIFE vs. TEMPERATURE



## SPECIFICATIONS

<b>OPERATING TEMPERATURE</b>	Recommended operating temperature range for standby battery operation is: -40°F (-40°C) minimum to 140°F (60°C) maximum
<b>STORAGE TEMPERATURE</b>	Recommended storage temperature is: 77°F (25°C) for up to four (4) months at which time a freshening charge is required. Batteries stored at temperatures greater than 77°F (25°C) will require recharge sooner than batteries stored at lower temperatures. See C&D Technologies brochure 41-7272 <i>Self Discharge and Inventory Control</i> for details.
<b>EXPECTED SERVICE LIFE</b>	3-5 years
<b>CYCLE LIFE</b>	5000+
<b>MAX AC RIPPLE (CHARGER)</b>	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Max voltage allowed = 1.4% RMS (4% P-P) Max current allowed = C/20

MODEL NAME	AH CAPACITY		WEIGHT LBS. (KG)	DIMENSIONS INCHES (mm)			LOW TEMPERATURE PULSE POWER 90 AMPS/300 AMPS RUNTIME MINUTES		RECOMMENDED MAX CHARGING CURRENT (A)	MAX DISCHARGE CURRENT LIMIT (AMPS)
	C <sub>10</sub>	C <sub>20</sub>		LENGTH	WIDTH	HEIGHT	77°F (25°C)	32°F (0°C)		
DCS-18UNC RIT	17.5	18.0	14.6 (6.6)	7.1 (181)	3.0 (76)	7.4 (189) with adapter	N/A	N/A	31 <sub>10</sub>	180
DCS-33UNC RIT	27.6	30.0	26.2 (11.9)	7.8 (197)	5.2 (132)	7.5 (190)	4	7+	31 <sub>10</sub>	600
DCS-40UNC RIT	36.8	40.0	34.0 (15.4)	9.2 (233)	5.0 (128)	8.8 (223)	4	7+	31 <sub>10</sub>	600
DCS-45UNC RIT	41.4	45.0	37.5 (17)	9.2 (233)	5.0 (128)	8.9 (225)	5	9+	31 <sub>10</sub>	600

©2020 C&D Technologies Inc. Any data, descriptions or specifications presented herein are subject to revision by C&D Technologies, Inc. without notice. While such information is believed to be accurate as indicated herein, C&D Technologies, Inc. makes no warranty and hereby disclaims all warranties, express or implied, with regard to the accuracy or completeness of such information. Further, because the product(s) featured herein may be used under conditions beyond its control, C&D Technologies, Inc. hereby disclaims all warranties, either express or implied, concerning the fitness or suitability of such product(s) for any particular use or in any specific application or arising from any course of dealing or usage of trade. The user is solely responsible for determining the suitability of the product(s) featured herein for user's intended purpose and in user's specific application.



200 Precision Drive, Suite 150 Horsham, Pennsylvania 19044 USA | [www.cdtechno.com](http://www.cdtechno.com)

**C&D**  
**TECHNOLOGIES**