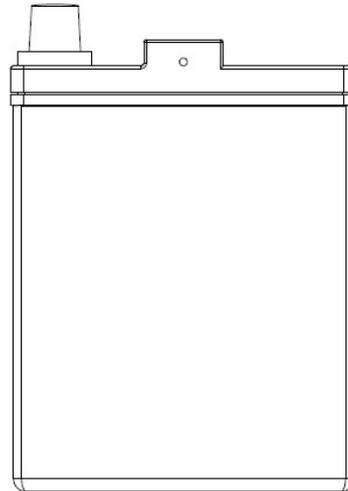
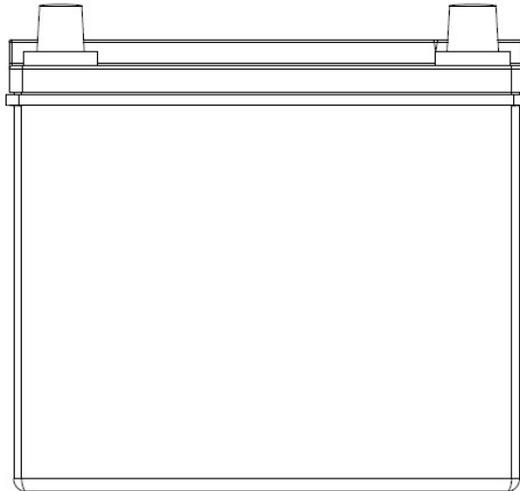
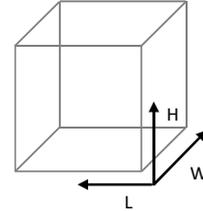
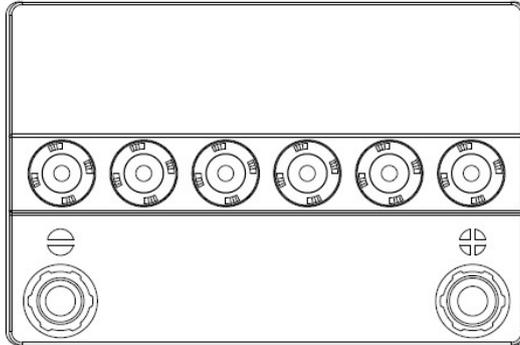


TECHNICAL DATA SHEET

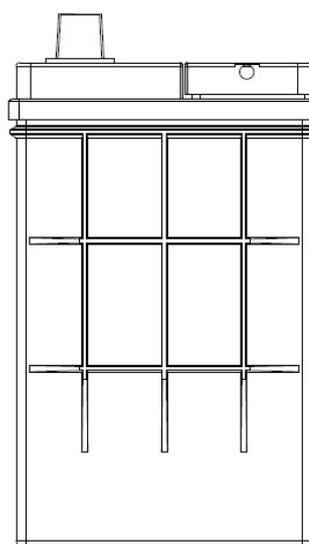
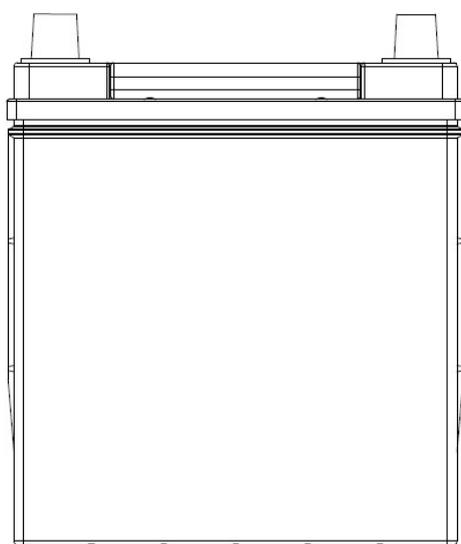
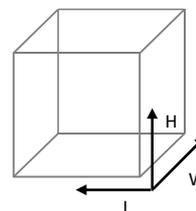
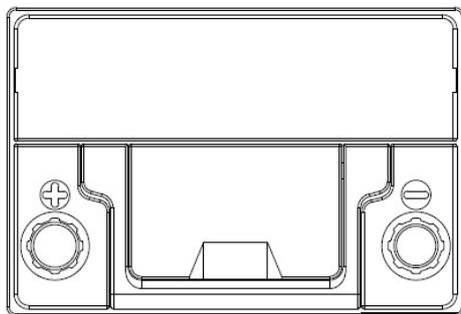
Type No.: AGM U1
Created : 21.01.2025
Modified : 21.01.2025



PERFORMANCE			CONTAINER		
VOLTAGE:	12	V	Group:	U1	Light Gray
C20:	30	AH	Hold Down:	B0	
CCA:	450	SAE	Please refer to the catalog or our website for the details of hold down types of the battery container.		
WEIGHT AND STD. DIMENSION			COVER		
Battery weight:	10.3	kg	Type:	6-valved cap	Light Gray
Length:	205	mm	Polarity:	L	
Width:	132	mm	Terminals:	STD	
Height:	160	mm	Filter:	2 Filters both sides	
Total Height:	185	mm	HANDLES		
			Handles:	N/A	
			REMARK		

TECHNICAL DATA SHEET

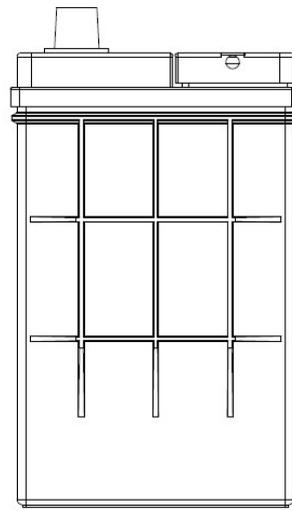
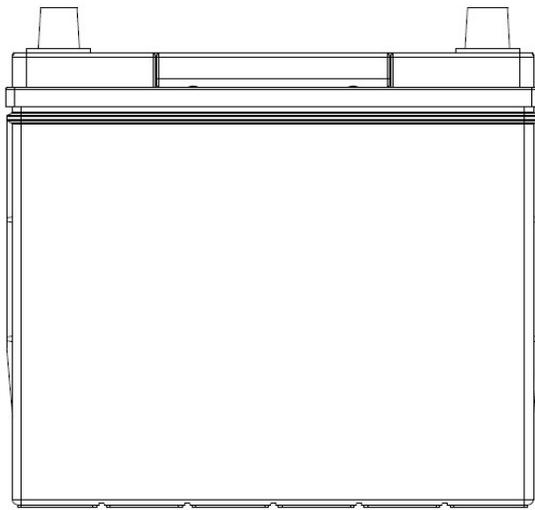
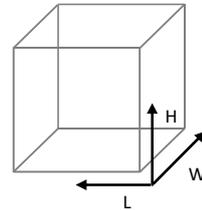
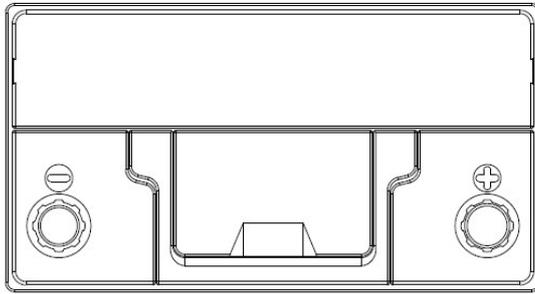
Type No.: 60B19RS
Created : 21.01.2025
Modified : 21.01.2025



PERFORMANCE			CONTAINER		
VOLTAGE:	12	V	Group:	B19	Black
C20:	40	AH	Hold Down:	B0	
CCA:	450	SAE	Please refer to the catalog or our website for the details of hold down types of the battery container.		
			COVER		
			Type:	Heat sealed	Black
			Polarity:	R	
			Terminals:	STD	
			Filter:	2 Filters both sides	
WEIGHT AND STD. DIMENSION			HANDLES		
Battery weight:	10.3	kg	Handles:	1 Handle	
Length:	187	mm	REMARK		
Width:	127	mm			
Height:	200	mm			
Total Height:	219	mm			

TECHNICAL DATA SHEET

Type No.: 85B24LS
Created : 21.01.2025
Modified : 21.01.2025



PERFORMANCE			CONTAINER		
VOLTAGE:	12	V	Group:	B24	Black
C20:	50	AH	Hold Down:	B0	
CCA:	550	SAE	Please refer to the catalog or our website for the details of hold down types of the battery container.		
			COVER		
			Type:	Heat sealed	Black
			Polarity:	L	
			Terminals:	STD	
			Filter:	2 Filters both sides	
WEIGHT AND STD. DIMENSION			HANDLES		
Battery weight:	13.0	kg	Handles:	1 Handle	
Length:	234	mm	REMARK		
Width:	127	mm			
Height:	200	mm			
Total Height:	219	mm			

FOR ELECTRICAL VEHICLE APPLICATIONS

Capacities from 17.5 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.

VRLA

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

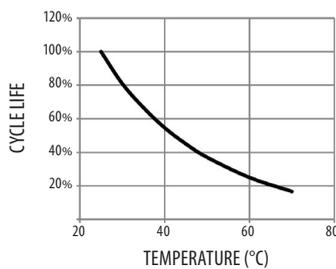


DCS-40UNC RIT

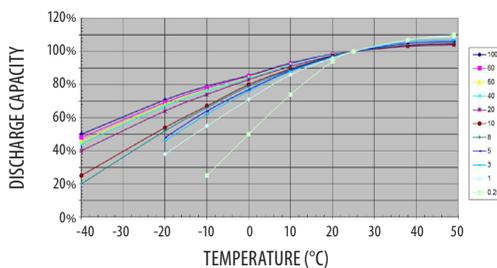


DCS-45UNC RIT

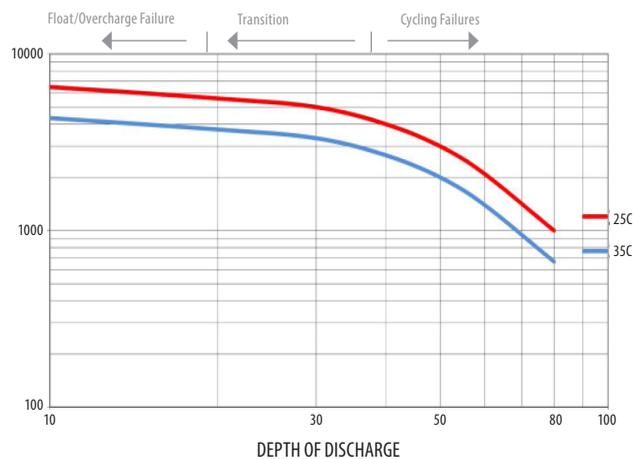
CYCLE LIFE vs. TEMPERATURE



CAPACITY vs. TEMPERATURE



INDUSTRY LEADING CYCLIC LIFE



SPECIFICATIONS

CELL PER UNIT	2V single cell units
PLATES	HEIGHT
	15.6 in (397 mm)
	WIDTH
	12.6 in (321 mm)
FLOAT CHARGING VOLTAGE	13.65 ± 0.15 VDC average per 12V unit at 77°F (25°C)
TEMPERATURE COMPENSATION FOR BATTERY CHARGING	>25°C: +3mV/°C, <25°C: -3mV/°C
ELECTROLYTE AT 77°F (25°C)	Sulfuric acid, 1.215 specific gravity nominal
SEDIMENT SPACE	>1.00 in
CONTAINER	PVC, Polycarbonate, or Styrene acrylonitrile (SAN)
COVER	PVC (UL94 V-0, LOI>32) - Standard
TERMINALS	1-inch Square, Two-hole Posts, LCM-13HP -> LCM-19HP have two posts per cell. LCM-21HP -> LCM-37HP have four posts per cell
VENT SYSTEM	Flame-arrestor with dust cover
WITHDRAWAL TUBE (OPTIONAL)	Two per cell
OPERATING TEMPERATURE	Recommended operating temperature range for standby battery operation is: -40°F (-40°C) minimum to 140°F (60°C) maximum
STORAGE TEMPERATURE	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.
EXPECTED SERVICE LIFE	3-5 years
CYCLE LIFE	5000+
MAX AC RIPPLE (CHARGER)	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

SPECIFICATIONS

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 ₁₀	C ₂₀		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 (187) with adapter	N/A	N/A	31 ₁₀	180
DCS-33UNC RIT	27.6	30.0	26.2 (11.9)	7.8 (197)	5.2 (132)	6.8 (173)	4	7+	31 ₁₀	600
DCS-40UNC RIT	36.8	40.0	34.0 (15.4)	9.2 (233)	5.0 (128)	8.8 (223)	4	7+	31 ₁₀	600
DCS-45UNC RIT	41.4	45.0	37.5 (17)	9.2 (233)	5.0 (128)	8.8 (223)	5	9+	31 ₁₀	600

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