

# C&D POWERCOM

A Division of C&D Charter Power Systems, Inc.

Replace the sun with  
**C&D Power Systems**

**Liberty** SERIES **2000**

Sealed Valve Regulated

## Solar Batteries

Hybrid Power Systems  
 Village Electrification  
 Telecommunications  
 Wind Turbines  
 Photovoltaics



24 Volt Module



12 Volt Tray and  
 Single Cell in Steel Jacket



A full line of batteries designed for  
 renewable energy applications

Deep discharge and shallow cycling applications

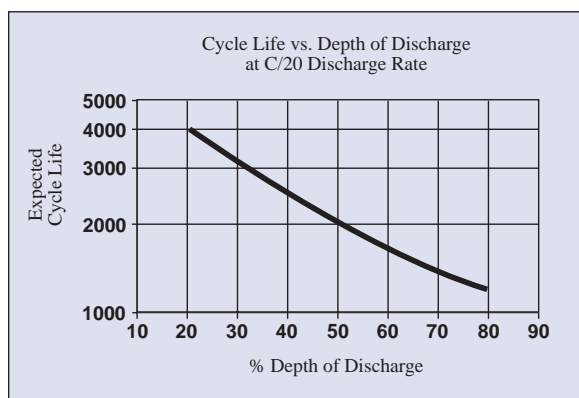
**Liberty** SERIES **2000** – *The most dependable VRLA battery available*

# Liberty<sup>SERIES</sup> 2000

## Solar Batteries

### CELL SPECIFICATIONS

- Jar and Cover — PVC, flame retardant, UL94-V0
- Safety Valve with Flame Arrestor — 1 PSIG nominal
- Terminals — Threaded Copper Insert with 5/16 — 18 s.s. bolt/washer
- Plates — Proprietary Calcium Alloy
- Electrolyte Specific Gravity — 1.300 at 77F (25C)
- Float Voltage — 2.25 to 2.27 VPC at 77F (25C)
- Cycling Voltage — 2.27 to 2.30 VPC at 77F (25C)
- Equalize Voltage — 2.33 to 2.37 VPC at 77F (25C)
- Charging Temperature Compensation (-2mV/degF)
- Positive Grid — 0.235 inch (6 mm), Negative Grid — 0.160 inch (4 mm)



### FEATURES AND BENEFITS

#### Superior Post and Jar/Cover Seals

Tested Leak Free Over 20 Years  
Maximum Product Reliability and Life

#### Ventilated Cell Design

Provides Greater Heat Management  
Optimizes Cell Life

#### Exclusive Pressure Plate Design

Maintains Optimum Cell Compression  
Prevents Cell Dry Out  
Ease of Installation and Removal of Individual Cells

#### Proprietary Grid and Suspension System

More Power Due to High Density Plates  
Excellent Designed Cycle Life  
Reduced Stresses on Post Seals  
Cadmium Free Grid Alloy

#### Tank Formation

Provides Consistent and Stable Float Voltages

### Capacity ratings to 1.75 VPC at 77F (25C)

### Weights and Dimensions

Model	8 hr (Ah)	20 hr (Ah)	100 hr (Ah)	Number of pos. plates	Width in (mm)	Depth in (mm)	Length in (mm)	Weight lbs (kg)
RHD-190	200	218	250	3	3.0 (76.2)	15.44 (392.2)	8.9 (226.1)	38 (17)
RHD-250	260	290	340	4	3.8 (96.5)			48 (22)
RHD-315	330	364	420	5	4.5 (114.3)			57 (26)
RHD-440	460	508	590	7	5.9 (149.9)			75 (34)
RHD-600	590	654	760	9	7.4 (188.0)			93 (42)
HD-300	330	360	420	3	3.0 (76.2)	23.13 (587.5)	8.9 (226.1)	55 (25)
HD-400	440	480	560	4	3.8 (96.5)			72 (33)
HD-500	550	600	700	5	4.5 (114.3)			88 (40)
HD-700	770	840	980	7	5.9 (49.9)			119 (54)
HD-900	990	1080	1260	9	7.4 (188.0)			150 (68)
HD-1100	1210	1320	1540	11	8.9 (226.0)			181 (82)
HD-1300	1430	1560	1820	13	10.3 (261.6)			212 (95)

Note: RHD is operable in both the vertical and horizontal orientations  
HD is operable only in the horizontal orientation  
For cells with steel jacket, add 0.13 inch (3 mm) to width and 1.14 inch (29 mm) to height/depth  
All systems are shipped with the necessary installation hardware and accessories



1400 UNION MEETING ROAD  
BLUE BELL, PA 19442  
(215) 619-2700 • (800) 543-8630 • FAX (215) 619-7899  
<http://www.cdpowercom.com>

7430 PACIFIC CIRCLE, MISSISSAUGA  
ONTARIO, CANADA L5T 2A3  
(905) 795-8787 • FAX (905) 564-7193