

## CPV®

### For Renewable Energy Storage



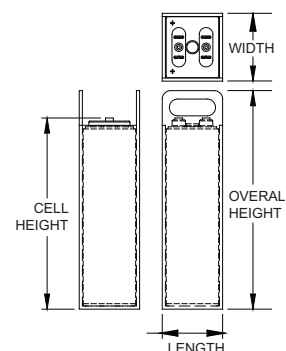
C&D Technologies' offers a line of renewable energy storage battery products. The CPV, with its low antimony/selenium grid, provides superior performance for both high cycling and float/long duration applications. This flooded battery is designed to be easy to install and maintain for long life and reliability.

#### FEATURES AND BENEFITS

- Special low antimony/selenium grid alloy for reduced watering requirements
- Rugged construction for robust performance
- Exceptional cycle life due to grid design and proprietary plate wrapping system
- Improved safety and ease of watering with standard flame arresting flip-top vent caps
- Individual High Density Poly Trays for easy transport, improved heat management, secondary containment, and improved electrical isolation
- Individual cell trays offer easy handling, installation, and changeout as well as ability to install without racks
- Electrolyte reservoir for longer watering intervals
- Lead-plated copper inter-cell connections and stainless steel hardware included for lower maintenance and higher reliability

#### AVAILABLE OPTIONS

- One and two row racks
- Watering wands
- Watering carts



#### SPECIFICATIONS

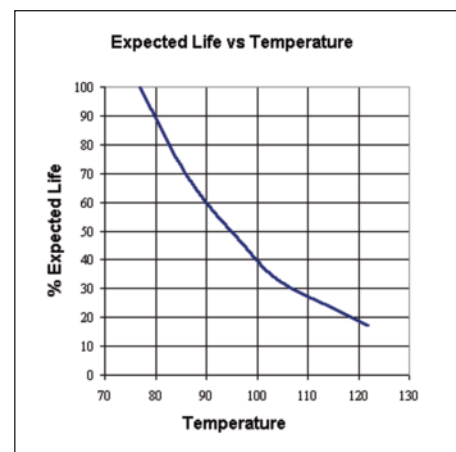
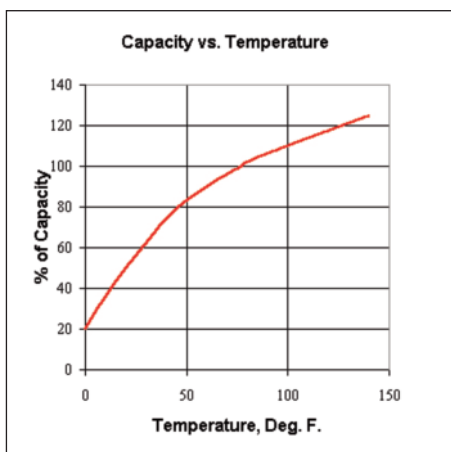
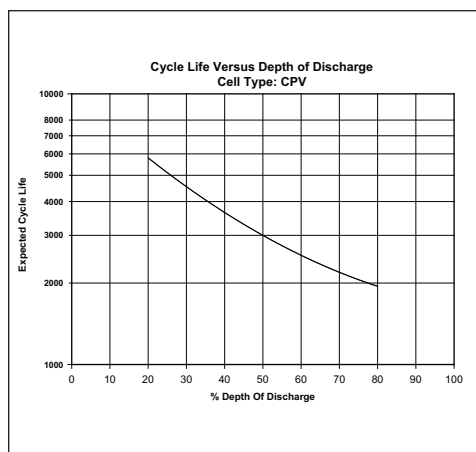
Model	Battery Weight		Battery in Tray Dimensions									
			Length		Depth		Cell Height		Overall Height		Overall Weight	
	lbs.	Kg.	inch	(mm)	inch	(mm)	inch	(mm)	in	(mm)	lbs.	Kg.
CPV1100	133	60	7.06	(179)	8.69	(221)	22.44	(570)	26.00	(660)	146	66
CPV1440	182	83			10.94	(278)					196	89
CPV1770	219	100			13.19	(335)					234	106
CPV1880	240	109			10.19	(259)	30.00	(762)	33.56	(852)	256	116
CPV2030	258	117			10.94	(278)					275	125
CPV2340	294	134			12.44	(316)					312	142
CPV2500	312	142			13.19	(335)					330	150

Note: Length is used to calculate rack length - add 0.75 inch between each cell. Width is used to determine rack depth.

## PERFORMANCE RATINGS

Cell Model	Amp-hour Capacity @ 77°F (25°C)											
	to 1.70 Vpc		to 1.75 Vpc				to 1.90 Vpc					
	6 hour Capacity		12 hour Capacity		24 hour Capacity		48 hour Capacity		72 hour Capacity		100 hour Capacity	
	Ah	KWh	Ah	KWh	Ah	KWh	Ah	KWh	Ah	KWh	Ah	KWh
CPV1100	850	1.64	912	1.79	1032	2.06	970	1.96	986	1.99	1000	2.03
CPV1440	1105	2.13	1186	2.32	1342	2.67	1261	2.55	1282	2.59	1300	2.64
CPV1770	1360	2.62	1459	2.86	1651	3.29	1552	3.14	1578	3.19	1600	3.25
CPV1880	1500	2.90	1613	3.13	1757	3.49	1532	3.09	1625	3.28	1704	3.45
CPV2030	1625	3.14	1747	3.39	1903	3.78	1660	3.35	1760	3.56	1846	3.74
CPV2340	1875	3.62	2016	3.91	2196	4.36	1916	3.87	2031	4.10	2130	4.32
CPV2500	2000	3.86	2150	4.17	2342	4.65	2043	4.12	2166	4.38	2272	4.61

## BATTERY CHARACTERISTICS



## BATTERY SPECIFICATIONS

Grid Alloy Material:		Low antimony/selenium	Float Voltage:	2.28 to 2.33 Vpc
Electrolyte Specific Gravity:		1.285 @ 77°F (25°C)	Voltage Regulation Setting:	2.45 to 2.48 Vpc
Jar & Cover Material:		Polypropylene	Equalize Voltage:	2.50 to 2.55 Vpc
Tray Material:		High Density Polypropylene/Polyethylene	Temperature Correction Factor:	+2.8mV/degF below 77°F (25°C)- 2.8mV/degF below 77°F (25°C)
Torque:	160in-lbs [18N-m]	CPV 1100, 1330, 1440, 2030 Sizes		
Re-Torque:	150in-lbs [17N-m]			
Torque:	110in-lbs [12N-m]	CPV 1660, 1770, 2340, 2500 Sizes		
Re-Torque:	100in-lbs [11N-m]			

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