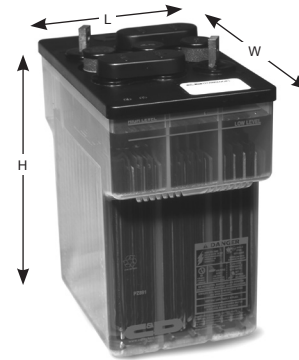




XDJ Lead-Calcium Battery

FOR UPS APPLICATIONS

CAPACITIES FROM 0.355 TO 0.650 KILOWATTS PER CELL



Every cell
100%
capacity tested

XDJ SERIES
BATTERY

C&D Technologies' flooded batteries are engineered to provide superior performance and reliability over the life of the product. These batteries are designed using proprietary techniques and quality components and materials for reduced maintenance and extended battery life.

C&D capacity tests every XDJ battery to 100% of published rating which ensures 100% capacity out-of-the-box (no need to field cycle the batteries to reach rated capacity). This saves time and money for users.

FEATURES & BENEFITS

RELIABILITY

- Time tested epoxy post seal and reliable tongue and groove jar-to-cover seal designs provide increased adhesive coverage area — offering unprecedented seal integrity during service
- Top suspended positive plate design allows free downward growth without pressure on jar, cover, or post seal — extending reliability and product life
- Recessed vent area to collect water and acid spills, keeping them away from posts and cover — lowering maintenance and clean-up costs
- U-wrapped separator design extends cycle life — improving product reliability

SAFE OPERATION

- High impact resistant jar material (UL94V-0; ASTM D-635 self-extinguishing, LOI >32) — providing added protection
- Snap-on intercell connector covers protect against objects and electrical shorts — preventing hazardous situations

- Low evaporation, flame arrestor vents protect against external source from igniting hydrogen gas within the cells — improving safety

COST SAVINGS

- Unique jar design facilitates installation
- Compact, optimized product size nets up to 40% floor space reduction — saving valuable space
- Angled posts use standard lead-plated copper connectors and improved post to connector contact — lowering resistance and allowing for quicker installation

WARRANTY

- 3-year full, 17-year prorata

The new 20-year design life XDJ batteries incorporate these benefits in a transparent container for visual inspection of plates and individual cell voltage taps on the connector covers for cell voltage readings.

SPECIFICATIONS

Electrolyte @ +77°F (+25°C)	XDJ 1.215 specific gravity acid XdjC 1.250 specific gravity acid
Recommended float volate range	2.21-2.22 volts per cell (1.215 specific gravity) 2.25-2.26 volts per cell (1.250 specific gravity)
Life expectancy @ +77°F (+25°C)	20 years of full float service
Cover material	High impact, flame retardant thermoplastic, LOI>32m UL94V-0
Container material	Transparent, high-impact, flame retarded thermoplastic, LOI>32m UL94V-0
Separator material	U-wrapped, microporous with fibrous mat
Terminal type	Hardened lead terminal
Termial torque values	Initial torque: 110 in-lbs (12.4 N-m), retorque: 100 in-lbs (11.3 N-m)
Saftey vent	Flame arrestor, low evaporation type

SPECIFICATIONS

Nominal Rates @ +77°F (+25°C) • XDJ - Amperes • 1.215 Specific Gravity															
Final Volts		1 Min	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr
1.85	3XDJ-7	154.6	145.5	134.4	123.9	114.3	97.9	80.0	67.7	42.7	31.6	25.2	21.0	18.0	14.0
	3XDJ-9	206.2	194.1	179.3	165.3	152.4	130.6	106.7	90.3	56.9	42.1	33.6	28.0	24.0	18.7
	3XDJ-11	257.7	242.6	224.1	206.6	190.5	163.2	133.4	112.9	71.2	52.7	42.0	35.0	30.0	23.4
1.81	3XDJ-7	202.6	185.1	165.2	148.0	133.6	111.6	89.7	75.4	46.8	34.2	27.1	22.4	19.2	14.8
	3XDJ-9	270.1	246.8	220.2	197.4	178.2	148.8	119.6	100.5	62.3	45.6	36.1	29.9	25.5	19.8
	3XDJ-11	337.7	308.5	275.3	246.7	222.7	186.0	149.5	125.6	77.9	57.0	45.1	37.4	31.9	24.7
1.75	3XDJ-7	278.9	241.8	203.0	173.9	152.5	123.4	97.4	81.1	49.7	36.2	28.6	23.6	20.2	15.6
	3XDJ-9	371.8	322.4	270.6	231.9	203.3	164.6	129.8	108.1	66.3	48.3	38.1	31.5	26.9	20.8
	3XDJ-11	464.8	403.0	338.3	289.8	254.1	205.7	162.3	135.2	82.9	60.4	47.7	39.4	33.6	26.0
1.70	3XDJ-7	346.1	284.1	228.0	190.9	165.0	131.2	101.7	83.2						
	3XDJ-9	461.5	378.8	304.1	254.4	220.0	175.0	135.6	111.4						
	3XDJ-11	576.9	473.5	380.1	318.1	270.0	218.7	169.5	139.3						
1.67	3XDJ-7	388.6	309.2	242.0	199.9	171.4	134.9	103.6	84.6						
	3XDJ-9	518.2	412.2	322.7	266.5	228.6	179.9	138.1	112.8						
	3XDJ-11	647.7	515.3	403.3	333.2	285.7	224.9	172.6	141.0						
1.65	3XDJ-7	417.5	320.3	251.7	206.7	174.5									
	3XDJ-9	556.6	427.1	335.7	275.6	232.6									
	3XDJ-11	695.8	533.9	419.6	344.5	290.8									
1.63	3XDJ-7	444.5	355.2	258.9	210.8	177.5									
	3XDJ-9	592.7	447.0	345.2	281.1	236.7									
	3XDJ-11	740.9	558.7	431.5	251.3	295.9									
1.60	3XDJ-7	486.8	354.3	268.6	215.6	179.4									
	3XDJ-9	649.1	472.4	358.1	287.4	239.2									
	3XDJ-11	811.4	590.6	447.6	359.3	299.0									

Nominal Rates @ +77°F (+25°C) • XDJC - Amperes • 1.250 Specific Gravity															
Final Volts		1 Min	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr
1.85	3XDJ-7	192.0	175.9	158.0	142.8	130.2	110.8	91.2	77.9	50.4	37.7	30.2	25.3	21.7	17.0
	3XDJ-9	256.0	234.5	210.6	190.4	173.6	147.7	121.6	103.9	67.2	50.2	40.3	33.7	29.0	22.7
	3XDJ-11	320.0	293.1	263.3	238.0	217.0	184.7	152.0	129.9	84.0	62.8	50.4	42.1	36.2	28.3
1.81	3XDJ-7	239.8	213.1	185.2	163.4	146.4	122.1	99.0	83.9	53.4	39.6	31.6	26.4	22.6	17.6
	3XDJ-9	319.7	284.1	246.9	217.8	195.2	162.8	132.0	111.8	71.2	52.8	42.2	35.1	30.1	23.5
	3XDJ-11	399.6	355.2	308.6	272.3	244.0	203.5	164.9	139.8	89.0	66.0	52.7	43.9	37.7	29.4
1.75	3XDJ-7	315.4	266.6	220.0	188.0	165.2	134.8	107.4	90.1	56.2	41.2	32.7	27.1	23.2	18.0
	3XDJ-9	420.6	355.5	293.4	250.7	220.3	179.8	143.2	120.2	74.9	55.0	43.6	36.1	30.9	23.9
	3XDJ-11	525.7	444.3	366.7	313.3	275.4	224.7	179.1	150.2	93.6	68.7	54.5	45.2	38.6	29.9
1.70	3XDJ-7	383.3	309.8	249.1	209.8	182.2	145.7	113.3	93.2						
	3XDJ-9	511.0	413.0	332.2	279.7	242.9	194.2	151.0	124.2						
	3XDJ-11	638.8	516.3	415.2	349.6	303.7	242.8	188.8	155.3						
1.67	3XDJ-7	424.6	336.5	263.8	218.8	188.4	149.4	115.5	94.8						
	3XDJ-9	566.1	448.7	351.7	291.8	251.3	199.1	154.0	126.4						
	3XDJ-11	707.6	560.8	439.7	364.7	314.1	248.9	192.5	158.0						
1.65	3XDJ-7	454.2	353.2	274.0	225.2	192.2									
	3XDJ-9	605.6	470.9	365.4	300.3	256.2									
	3XDJ-11	757.0	588.6	456.7	375.4	320.3									
1.63	3XDJ-7	483.3	372.4	284.4	230.5	194.5									
	3XDJ-9	644.4	496.5	379.2	307.3	259.3									
	3XDJ-11	805.5	620.7	473.9	384.1	324.1									
1.60	3XDJ-7	522.0	396.1	296.0	237.0	198.6									
	3XDJ-9	696.0	528.1	394.6	316.0	264.9									
	3XDJ-11	870.0	660.1	493.3	394.9	331.1									

SPECIFICATIONS

Nominal Rates @ +77°F (+25°C) • XDJ - Kilowatts Per Cell • 1.215 Specific Gravity															
Final Volts		1 Min	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr
1.85	XDJ-7	0.287	0.271	0.251	0.232	0.215	0.185	0.153	0.130	0.082	0.061	0.049	0.041	0.035	0.027
	XDJ-9	0.383	0.361	0.335	0.309	0.286	0.247	0.203	0.173	0.110	0.082	0.065	0.054	0.047	0.036
	XDJ-11	0.479	0.451	0.418	0.387	0.358	0.309	0.254	0.216	0.137	0.102	0.081	0.068	0.058	0.046
1.81	XDJ-7	0.367	0.338	0.304	0.274	0.249	0.209	0.169	0.143	0.089	0.066	0.052	0.043	0.037	0.029
	XDJ-9	0.490	0.451	0.405	0.366	0.332	0.279	0.225	0.190	0.119	0.088	0.070	0.058	0.050	0.039
	XDJ-11	0.612	0.563	0.507	0.457	0.414	0.348	0.282	0.238	0.149	0.110	0.087	0.072	0.062	0.048
1.75	XDJ-7	0.489	0.428	0.365	0.316	0.279	0.229	0.182	0.152	0.094	0.069	0.055	0.045	0.039	0.030
	XDJ-9	0.652	0.571	0.486	0.412	0.373	0.305	0.243	0.203	0.126	0.092	0.073	0.060	0.052	0.040
	XDJ-11	0.815	0.714	0.608	0.527	0.466	0.381	0.303	0.254	0.157	0.115	0.091	0.076	0.065	0.050
1.70	XDJ-7	0.588	0.494	0.404	0.342	0.298	0.240	0.189	0.157						
	XDJ-9	0.785	0.659	0.539	0.456	0.397	0.320	0.252	0.209						
	XDJ-11	0.981	0.824	0.673	0.570	0.497	0.400	0.315	0.261						
1.67	XDJ-7	0.649	0.532	0.425	0.355	0.307	0.246	0.192	0.158						
	XDJ-9	0.866	0.709	0.566	0.474	0.410	0.328	0.256	0.211						
	XDJ-11	1.082	0.886	0.708	0.592	0.512	0.409	0.319	0.264						
1.65	XDJ-7	0.689	0.548	0.438	0.364	0.312									
	XDJ-9	0.918	0.730	0.584	0.486	0.415									
	XDJ-11	1.148	0.913	0.730	0.607	0.519									
1.63	XDJ-7	0.729	0.566	0.448	0.371	0.316									
	XDJ-9	0.971	0.755	0.598	0.495	0.421									
	XDJ-11	1.214	0.944	0.747	0.619	0.527									
1.60	XDJ-7	0.788	0.591	0.462	0.378	0.319									
	XDJ-9	1.051	0.788	0.616	0.505	0.425									
	XDJ-11	1.314	0.985	0.770	0.631	0.531									

Nominal Rates @ +77°F (+25°C) • XDJC - Kilowatts Per Cell • 1.250 Specific Gravity															
Final Volts		1 Min	5 Min	10 Min	15 Min	20 Min	30 Min	45 Min	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr
1.85	XDJC-7	0.356	0.327	0.295	0.269	0.246	0.211	0.175	0.150	0.098	0.74	0.059	0.050	0.043	0.034
	XDJC-9	0.474	0.436	0.394	0.358	0.328	0.281	0.233	0.200	0.131	0.98	0.079	0.066	0.057	0.045
	XDJC-11	0.593	0.545	0.492	0.448	0.410	0.352	0.291	0.250	0.164	0.123	0.099	0.083	0.071	0.056
1.81	XDJC-7	0.435	0.389	0.341	0.303	0.273	0.230	0.188	0.160	0.103	0.077	0.062	0.052	0.044	0.035
	XDJC-9	0.580	0.518	0.454	0.404	0.365	0.307	0.251	0.214	0.138	0.103	0.082	0.069	0.059	0.046
	XDJC-11	0.725	0.648	0.568	0.505	0.456	0.384	0.314	0.267	0.172	0.129	0.103	0.086	0.074	0.058
1.75	XDJC-7	0.553	0.473	0.396	0.343	0.304	0.251	0.202	0.171	0.108	0.080	0.064	0.053	0.045	0.035
	XDJC-9	0.738	0.631	0.529	0.457	0.405	0.334	0.269	0.228	0.144	0.107	0.085	0.071	0.061	0.047
	XDJC-11	0.922	0.788	0.661	0.571	0.506	0.418	0.337	0.284	0.180	0.133	0.106	0.088	0.076	0.059
1.70	XDJC-7	0.651	0.542	0.443	0.377	0.330	0.267	0.211	0.176						
	XDJC-9	0.869	0.723	0.591	0.502	0.440	0.356	0.281	0.235						
	XDJC-11	1.086	0.903	0.738	0.628	0.549	0.445	0.352	0.293						
1.67	XDJC-7	0.709	0.581	0.465	0.390	0.339	0.273	0.215	0.179						
	XDJC-9	0.946	0.775	0.620	0.520	0.452	0.364	0.287	0.239						
	XDJC-11	1.182	0.968	0.775	0.650	0.565	0.455	0.358	0.298						
1.65	XDJC-7	0.749	0.606	0.479	0.399	0.345	0.275								
	XDJC-9	0.999	0.808	0.639	0.532	0.460	0.367								
	XDJC-11	1.249	1.010	0.799	0.665	0.575	0.458								
1.60	XDJC-7	0.847	0.665	0.512	0.417	0.354									
	XDJC-9	1.129	0.887	0.683	0.556	0.472									
	XDJC-11	1.411	1.109	0.853	0.695	0.590									

SPECIFICATIONS

1.215 SPECIFIC GRAVITY

Type of Battery	Part Number	Cells Per Unit	Plates Per Cell	Dimensions			Approx. wt. lbs (kg)	Electrolyte per cell gal (l)
				L in (mm)	W in (mm)	H in (mm)		
3XDJ-7	CW17653-PVC	3	7	8.09 (205.5)	13.58 (344.9)	15.22 (386.6)	96 (44)	1.19 (4.50)
3XDJ-9	CW17654-PVC	3	9				114 (52)	1.06 (4.01)
3XDJ-11	CW17655-PVC	3	11				132 (60)	0.92 (3.48)
2XDJ-7	CW17656-PVC	2	7				64 (29)	1.19 (4.50)
2XDJ-9	CW17657-PVC	2	9				76 (34)	1.06 (4.01)
2XDJ-11	CW17658-PVC	2	11				88 (40)	0.92 (3.48)

1.250 SPECIFIC GRAVITY

Type of Battery	Part Number	Cells Per Unit	Plates Per Cell	Dimensions			Approx. wt. lbs (kg)	Electrolyte per cell gal (l)
				L in (mm)	W in (mm)	H in (mm)		
3XDJC-7	CW17653-PVC	3	7	8.09 (205.5)	13.58 (344.9)	15.22 (386.6)	96 (44)	1.19 (4.50)
3XDJC-9	CW17654-PVC	3	9				114 (52)	1.06 (4.01)
3XDJC-11	CW17655-PVC	3	11				132 (60)	0.92 (3.48)
2XDJC-7	CW17656-PVC	2	7				64 (29)	1.19 (4.50)
2XDJC-9	CW17657-PVC	2	9				76 (34)	1.06 (4.01)
2XDJC-11	CW17658-PVC	2	11				88 (40)	0.92 (3.48)

XDJ RACK SELECTION MATRIX

	Non-seismic racks			Seismic racks		
	1 Tier, 1 Row	2 Tier, 1 Row	2 Step	1 Tier, 1 Row	2 Tier, 1 Row	2 Step
48 V (8 Jars)	RDB0800-06P	RDB0801-03P	RDB0803-03P	RDB0800-06EP1P RDB0800-06EP2P	RDB0801-03EP1P RDB0801-03EP2P	RDB0803-03EP1P RDB0803-03EP2P
120 V (20 Jars)	RDB0800-15P	RDB0801-7.3P	RDB0803-7.3P	RDB0800-15EP1P RDB0800-15EP2P	RDB0801-7.3EP1P RDB0801-7.3EP2P	RDB0803-7.3EP1P RDB0803-7.3EP2P
240 V (40 Jars)	(2) RDB0800-15P	RDB0801-15P	RDB0803-15P	(2) RDB0800-15EP1P (2) RDB0800-15EP2P	RDB0801-15EP1P RDB0801-15EP2P	RDB0803-15EP1P RDB0803-15EP2P
480 V (80 Jars)	(2) RDB0800-15P	(2) RDB0801-15P	(2) RDB0803-15P	(2) RDB0800-15EP1P (2) RDB0800-15EP2P	(2) RDB0801-15EP1P (2) RDB0801-15EP2P	(2) RDB0803-15EP1P (2) RDB0803-15EP2P

The suffix "-P" is for painted rails (ex. RDB0800-15P for painted non-seismic 15ft rack, RDB0800-15EP1P for painted seismic EP1 rack).
3 Tier, 1 Row racks are also available.

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