



# DJU Lead-Calcium Battery

**FOR SWITCHGEAR & CONTROL APPLICATIONS  
CAPACITIES FROM 110 TO 200 AMPERE-HOURS**

## INDIVIDUAL POSTS IN A MULTI-CELL BATTERY



Every battery  
**100%**  
capacity tested

DJU 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.

### APPLICATIONS

- Electric Utility Substations
- Manufacturing Facilities
  - Assembly Lines
  - Process Controls
  - Communication Systems
- Petrochemical Processing Plants
- Pipelines
- Emergency Systems

### FEATURES & BENEFITS

#### RELIABILITY

- Reliable tongue and groove jar-to-cover seal design provides 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
- Wrapped separator design extends cycle life — improving product reliability
- Enhanced post seal design allows post growth without transmitting forces to cover

#### SAFE OPERATION

- Self extinguishing features (LOI >32) of flame retardant (FR) cover and jar material — providing added protection
- Low evaporation, flame arrestor vents protect against an external source 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

#### EASY MAINTENANCE

- All posts and connectors reside above the jar cover
- Individual posts allow monitoring of individual cell performance in a multi-cell container
- Individual posts use standard lead-plated copper connectors decreasing connection resistance
- Optional terminal and connector cover available (P/N RD00907-“L”)

**The new 20-year design life DJU batteries incorporate these benefits in a transparent container for visual inspection of plates and has individual posts for cell voltage readings.**

### SPECIFICATIONS

<b>Recommended float voltage range</b>	2.20–2.25 volts per cell (1.215 specific gravity)
<b>Specific gravity of electrolyte @77°F (25°C)</b>	1.215 (standard)
<b>Cover material</b>	High impact, PVC, LOI>32, UL94-V0
<b>Container material</b>	Transparent, high-impact PVC, LOI>32, UL94-V0
<b>Separator material</b>	U-wrapped, microporous with fibrous mat
<b>Terminal type</b>	Rectangular lead post, two for every cell
<b>Safety vent</b>	Flame arrestor/low evaporation type

C&D capacity tests every DJU 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.

**SPECIFICATIONS**

**Nominal rates, 1.215 specific gravity @ 77°F (25°C) (includes connector voltage drop)  
Amperes**

Models	FV/Cell	1 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	12 hr
DJU-110	1.75	158.1	117.4	87.9	59.6	37.9	28.3	22.9	19.5	13.8	9.9
	1.78	139.3	105.0	80.1	55.5	35.9	27.0	22.1	18.8	13.3	9.7
	1.81	120.5	92.6	72.4	51.4	33.9	25.8	21.2	18.2	12.9	9.4
	1.85	94.9	78.2	62.4	44.8	30.6	23.9	19.8	17.0	12.1	8.8
DJU-155	1.75	226.3	168.0	125.8	85.4	54.3	40.5	32.8	27.9	19.5	14.2
	1.78	199.5	150.3	114.7	79.5	51.4	38.7	31.6	26.9	19.0	13.8
	1.81	172.6	132.5	103.6	73.6	48.5	37.0	30.4	26.0	18.5	13.5
	1.85	135.9	112.0	89.4	64.2	43.8	34.2	28.4	24.4	17.3	12.6
DJU-200	1.75	287.4	213.4	159.8	108.4	68.9	51.4	41.7	35.4	25.0	18.0
	1.78	253.3	190.8	145.7	100.9	65.3	49.2	40.2	34.2	24.1	17.6
	1.81	219.2	168.3	131.5	93.5	61.6	47.0	38.6	33.0	23.4	17.1
	1.85	172.6	142.2	113.5	81.5	55.6	43.5	36.1	31.0	22.0	15.9

Additional ratings and application information are available in the Battery Selection Program found at [www.cdstandbypower.net](http://www.cdstandbypower.net)

Note: Data based on discharge from float at 77°F (25°C) in accordance with IEEE-450

**SPECIFICATIONS**

Type of battery	Part number	Cells per unit	Plates per cell	Dimensions			Approx. wt. lbs (kgs)		Electrolyte per cell gal. (l)
				L in (mm)	W in (mm)	H in (mm)	Net filled	Dom. packed	
3DJU-110	CW18267-PVC	3	5	8.09 (205.5)	13.58 (344.9)	15.22 (386.6)	101 (46)	112 (51)	1.23 (4.66)
3DJU-155	CW18266-PVC	3	7				120 (54)	131 (59)	1.09 (4.13)
3DJU-200	CW18265-PVC	3	9				139 (63)	150 (68)	0.95 (3.60)
2DJU-110*	CW18270-PVC	2	5				71 (32)	82 (37)	1.23 (4.66)
2DJU-155*	CW18269-PVC	2	7				83 (38)	94 (43)	1.09 (4.13)
2DJU-200*	CW18268-PVC	2	9				96 (44)	107 (49)	0.95 (3.60)

\* 2 cells in a 3 cell jar. Use with 3 cell jars to obtain desired string voltage.

**DJU COMMON 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

120 V (20 Jars)	2 Step/2 Tier	
	Non-seismic racks	Seismic racks
	RD04452-04	RD04452-04EP1

3 Tier/1 Row and other lengths of 2 Step/2 Tier racks are also available. Contact your local C&D representative for details.

See brochure 12-560 for more information on seismic ratings of racks

Two digit number following hyphen indicates length in feet. Example -06 = six foot rack