



## Battery Range Summary

The DataSafe® DX range of flooded lead calcium flat plate batteries has been designed for use in UPS applications, more specifically large data centers, which demand the highest levels of security and reliability. The reliability of DataSafe DX as a leading high rate performance battery is backed by 20 + years of experience in the marketplace.

The DataSafe DX is an economical multi-cell calcium flat plate battery. Multi-cell construction requires fewer units, resulting in lower installation cost. While optimizing the space available in the battery room, it delivers superior performance making the DataSafe DX a superlative cost-effective battery.

The DataSafe DX battery features the Slide-Lock™ post seal design, bolted lead plated copper connectors, optimal grid design, heavy duty plate lug and strap, and dual lug design, which make this battery ideal for high rate applications.

All battery systems are rated at 100% capacity at initial discharge. The DataSafe DX battery has a 20 year life expectancy in float service at 77°F (25°C) ambient temperature.

### Features and Benefits

- Capacity range: 0.613 - 5.248 kW per cell
- Suitable for UPS and Switchgear applications
- Multi-cell construction
- Cover made from flame retardant PVC
- Container made from styrene acrylonitrile (SAN), also flame retardant polycarbonate (PC) optional
- Long life Slide-Lock™ post seal design

## General Specifications

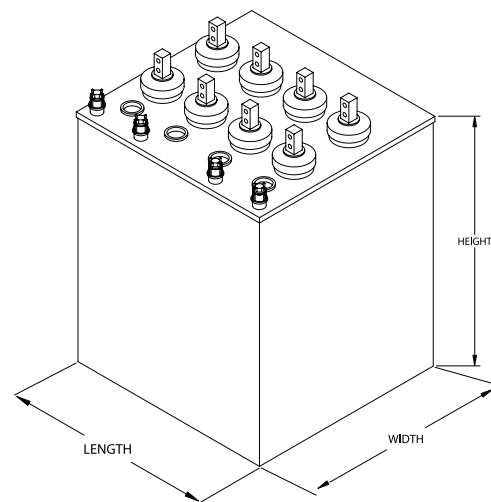
Type*	Number of Cells	Nominal Voltage (V)	Watts/Cell (Wpc)		Nominal Dimensions						Weights – Volumes							
			15min. rate to 1.67Vpc 77°F (25°C) (1.215 S.G.)	15min. rate to 1.67Vpc 77°F (25°C) (1.250 S.G.)	Length**		Width		Height		Unpacked		Domestic Packed		Electrolyte Only			
					mm	in	mm	in	mm	in	kg	lb	kg	lb	kg	lbs	l	gal
4DX-5	4	8	613	674	241	9.50	406	16.00	558	22.00	116.4	256.0	119.5	263.0	36.4	80.0	28.4	7.5
4DX-7	4	8	910	1001	241	9.50	406	16.00	558	22.00	137.7	303.0	141.8	312.0	31.8	70.0	25.4	6.7
4DX-9	4	8	1200	1320	241	9.50	406	16.00	558	22.00	160.5	353.0	152.7	363.0	28.6	63.0	22.7	6.0
4DX-11	4	8	1509	1661	424	16.70	406	16.00	576	22.68	230.5	507.0	237.3	522.0	66.4	146.0	53.0	14.0
4DX-13	4	8	1783	1962	424	16.70	406	16.00	576	22.68	253.2	557.0	260.4	573.0	62.7	138.0	49.2	13.0
4DX-15	4	8	2048	2254	424	16.70	406	16.00	576	22.68	275.5	606.0	283.6	624.0	59.1	130.0	47.3	12.5
4DX-17	4	8	2305	2537	424	16.70	406	16.00	576	22.68	298.2	656.0	306.8	675.0	55.4	122.0	44.7	11.8
4DX-19	4	8	2587	2846	513	20.20	406	16.00	576	22.68	354.4	781.3	363.0	800.3	62.5	137.7	51.5	13.6
4DX-21	4	8	2974	3271	513	20.20	406	16.00	576	22.68	376.6	830.3	385.2	849.3	59.2	130.5	48.8	12.9
2DX-23	2	4	3195	3516	308	12.12	406	16.00	576	22.68	215.1	473.0	222.4	489.3	40.6	89.3	32.4	8.6
2DX-25	2	4	3401	3743	308	12.12	406	16.00	576	22.68	227.0	499.3	234.2	515.3	38.8	85.3	31.0	8.2
2DX-27	2	4	3817	4200	424	16.70	406	16.00	576	22.68	266.8	587.0	274.5	604.0	65.0	143.0	51.8	13.7
2DX-29	2	4	4064	4473	424	16.70	406	16.00	576	22.68	278.6	613.0	287.2	632.0	63.1	139.0	50.3	13.3
2DX-31	2	4	4305	4737	424	16.70	406	16.00	576	22.68	290.0	638.0	298.6	657.0	61.4	135.0	48.4	12.9
2DX-33	2	4	4540	4996	424	16.70	406	16.00	576	22.68	301.4	663.0	310.0	682.0	59.1	130.0	47.3	12.5
2DX-35	2	4	4769	5248	424	16.70	406	16.00	576	22.68	309.0	680.0	318.2	700.0	57.3	126.0	45.8	12.1

\* Prefix indicates number of total cells per jar. Suffix number indicates total plates per cell.

\*\* 0.25 inches must be added between units for spacing purposes when calculating total battery length.

## Specifications

- **PLATE THICKNESS:**  
Positive: 0.200 inches (5.1mm)  
Negative: 0.130 inches (3.6mm)
- **PLATE SUSPENSION TYPE:**  
Positive: Bridge hung  
Negative: Bottom supported
- **CONTAINER:**  
Styrene Acrylonitrile (SAN) Optional flame retardant polycarbonate (PC)
- **COVER:**  
Made from flame retardant PVC (UL94,V0/L.O.I.28%)
- **SEPARATORS:**  
Microporous plastic
- **BOLT CONNECTORS:**  
Stainless Steel, English measure, Hex-Head
- **INTERUNIT CONNECTORS:**  
Lead-Plated Copper
- **ELECTROLYTE OVER PLATES:**  
2.88 inches (73.1mm)
- **VENT TYPE:**  
Flame Arrestor, Fused Alumina
- **FLOAT VOLTAGE SETTINGS:**  
Acceptable min/max: 2.17/2.26 Vpc  
Recommended: 2.25 Vpc
- **SEDIMENT SPACE:**  
1.04 inches (26.4 mm)
- **POSTS:**  
Lead-plated copper DX-5 to DX-25 – one positive post and one negative post per cell. DX-27 to DX-35 – two positive posts and two negative posts per cell.
- **POST SEAL TYPE:**  
Slide-Lock™
- **SPECIFIC GRAVITY:**  
1.215 standard (1.250 available upon request)



## Standards

- Manufactured in EnerSys production facilities certified to ISO 9001: 2000
- Manufactured in EnerSys production facilities certified to ISO 14000: 1996
- Available testing to IEEE 450 standards as well as customer specific applications.



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