



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 lead-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 tin-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: 0.626 - 5.448 kW per cell
- Designed for mission critical UPS 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

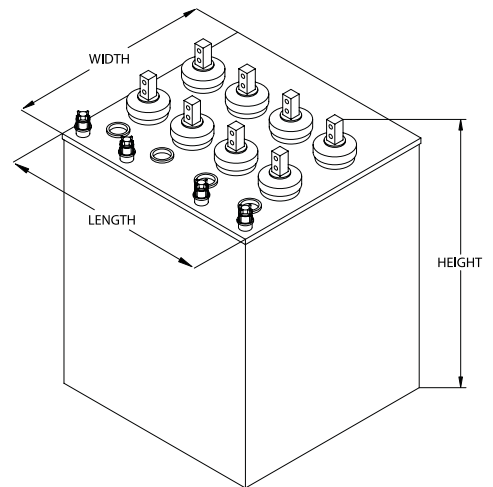
General Specifications

Type*	Nominal Voltage (V)	Nominal Rate (Watts/cell)		Nominal Capacity (Ahr)		Nominal Dimensions						Weight				Electrolyte Only			
		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.)	8hr Rate to 1.75Vpc 77°F (25°C) (1.215 S.G.)	8hr Rate to 1.75Vpc 77°F (25°C) (1.250 S.G.)	Length**		Width		Height		Unpacked		Domestic Packed		Volume (per jar)		Weight (per jar)	
		in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	lbs	kg	gal	liters	lbs	kg
4DX-05	8	626	702	265	300	9.50	241	16.00	406	22.00	559	256	116	263	119	7.5	28.4	76.2	34.6
4DX-07	8	937	1034	360	400	9.50	241	16.00	406	22.00	559	303	137	312	142	6.7	25.4	68.1	30.9
4DX-09	8	1212	1353	415	465	9.50	241	16.00	406	22.00	559	353	160	363	165	6.0	22.7	61.0	27.7
4DX-11	8	1527	1732	650	730	16.70	424	16.00	406	22.60	574	507	230	522	237	14.0	53.0	142	64.5
4DX-13	8	1838	2035	715	800	16.70	424	16.00	406	22.60	574	557	253	573	260	13.0	49.2	132	59.9
4DX-15	8	2121	2334	785	865	16.70	424	16.00	406	22.60	574	606	275	624	283	12.5	47.3	127	57.6
4DX-17	8	2381	2639	820	915	16.70	424	16.00	406	22.60	574	656	298	675	306	11.8	44.7	120	54.4
4DX-19	8	2635	2920	990	1105	20.20	513	16.00	406	22.60	574	781	354	800	363	13.6	51.5	138	62.7
4DX-21	8	3003	3290	1050	1180	20.20	513	16.00	406	22.60	574	830	377	849	385	12.9	48.8	131	59.5
2DX-23	4	3235	3577	1175	1325	12.12	308	16.00	406	22.60	574	473	215	489	222	8.6	32.4	86.9	39.4
2DX-25	4	3501	3852	1225	1375	12.12	308	16.00	406	22.60	574	499	226	515	234	8.2	31.0	83.4	37.8
2DX-27	4	3896	4283	1530	1715	16.70	424	16.00	406	22.60	574	587	266	604	274	13.7	51.8	139	63.0
2DX-29	4	4162	4584	1580	1785	16.70	424	16.00	406	22.60	574	613	278	632	287	13.3	50.3	135	61.3
2DX-31	4	4417	4873	1610	1835	16.70	424	16.00	406	22.60	574	638	289	657	298	12.9	48.6	131	59.2
2DX-33	4	4672	5164	1640	1880	16.70	424	16.00	406	22.60	574	663	301	682	309	12.5	47.3	127	57.6
2DX-35	4	4920	5448	1660	1915	16.70	424	16.00	406	22.60	574	680	308	700	318	12.1	45.8	123	55.8

* 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: 0.20 inches (5.0mm)
Negative: 0.12 inches (3.1mm)
- **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 polyethylene
- **BOLT CONNECTORS:**
Stainless Steel, English measure, Hex-Head
- **INTERUNIT CONNECTORS:**
Tin-plated copper standard; lead-plated optional
- **ELECTROLYTE OVER PLATES:**
2.88 inches (73.1mm)
- **VENT TYPE:**
Flame Arrestor, Fused Alumina
- **FLOAT VOLTAGE SETTINGS:**
1.215: Acceptable min/max 2.17/2.26 Vpc recommended average = 2.21 v/c @ 77°F (25°C)
1.250: Acceptable min/max 2.21/2.30 Vpc recommended average = 2.25 v/c @ 77°F (25°C)
- **SEDIMENT SPACE:**
1.04 inches (26.4 mm)
- **POSTS:**
Lead-plated copper DX-05 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: 2015
- Manufactured in EnerSys production facilities certified to ISO 14000: 2015
- Available testing to IEEE 450 standards as well as customer specific applications.

For battery sizing guidance, please use the EnerSys Battery Sizing Application at www.enersys.com.



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