

**PERFORMANCE
SPECIFICATIONS**



Introducing DataSafe® HX Front Terminal Batteries



DataSafe® batteries. More power, less space, easier maintenance. Eliminate the difficult maintenance and burdensome space requirements of top terminated 12V UPS batteries. Revolutionary, new front-terminated DataSafe 16V UPS batteries, available in 550 WPC, 800 WPC and 925 WPC sizes, are more space efficient, more cost effective and easier to maintain than 12V batteries. They use proven VRLA technology, are conducive to incorporating monitoring systems and scale easily to larger capacity UPS systems with one-third fewer parallel battery strings.

Other benefits of DataSafe 16V batteries:

- Smaller footprint per kilowatt
- Simplifies installation
- Improves reliability
- Complete front access
- Eliminates wasted headspace found in typical 12V top terminated designs.

Features

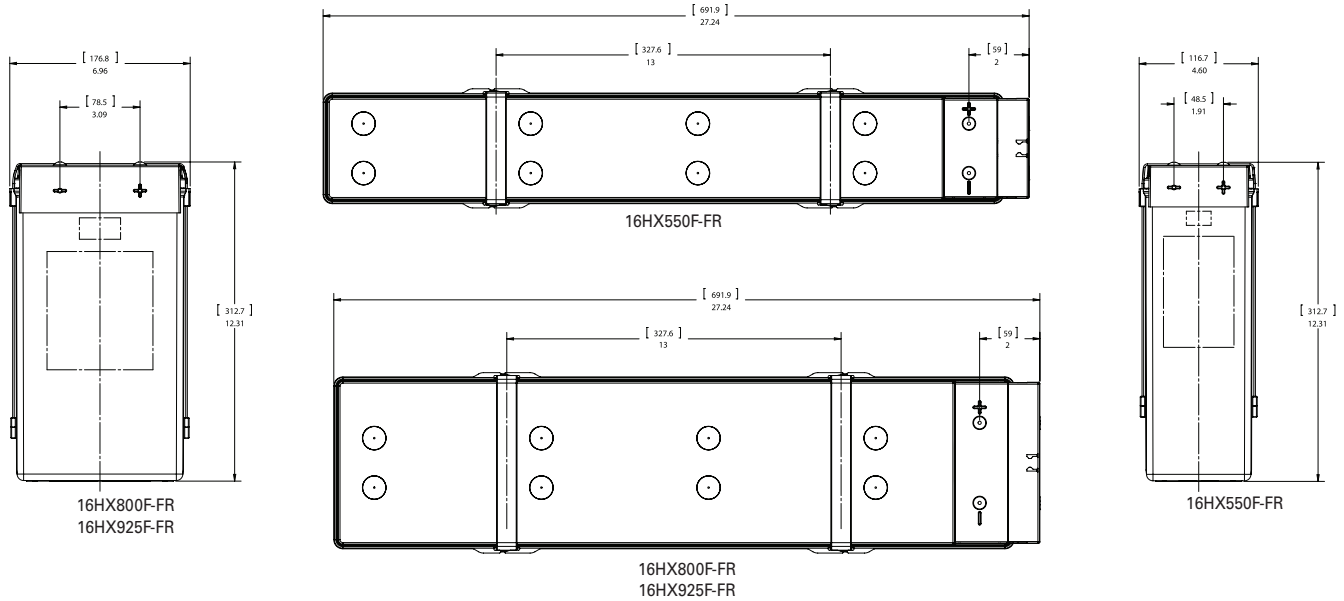
- Integrated handle support - provides natural air flow between batteries
- Nord-Lock® washer - provides a secure terminal connection over the life of the battery
- Solid tin-plated busbars - designed for low resistance and high rate UPS loads
- Dual tab washer - supplied standard on all cabinet orders for battery monitoring systems

Specifications

- Positive and negative grids made of lead-calcium-tin alloy for long life and efficient recharge
- Flame Retardant case and cover to meet UL 94
- Individual cell vents
- DataSafe® HX battery containers are hermetically sealed to provide leak resistance over the life of the product
- AGM separators-The electrolyte is completely absorbed into the separator
- High performance brass threaded receptacle or bolt terminal for front terminal access
- Increased energy density over comparable 12V monoblocs
- Computer optimized electrochemistry for increased power up to 15 minute rate
- 100% Initial Battery Capacity

General Specifications

Type	Watts/Cell			Nominal Dimension							
	Number of cells	Nominal Voltage (V)	15 min rate to 1.67 @77°F (25°C)	Length		Width		Height		Unpacked	
				mm	in	mm	in	mm	in	kg	lbs
16HX550F-FR	8	16	550	692	27.2	117	4.6	313	12.3	68.5	151
16HX800F-FR	8	16	800	692	27.2	177	7.0	313	12.3	105.2	232
16HX925F-FR	8	16	925	692	27.2	177	7.0	313	12.3	112.5	248



16HX550F-FR

Discharge Rates in Watts per cell at 25°C (77°F)

End Volts	Standby Time (Minutes)																						
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	25	30	45	60	90	120	240
1.75	799	760	726	690	658	629	604	582	561	539	517	496	478	461	445	430	369	324	239	190	136	106	58
1.70	860	810	768	731	697	665	636	610	586	564	543	522	500	481	463	446	380	332	242	191	136	106	58
1.67	885	836	789	749	714	681	650	622	596	573	550	530	508	488	469	452	382	332	242	191	136	106	58
1.65	897	851	802	760	723	689	656	627	601	577	554	533	512	492	472	453	382	332	242	191	136	106	58
1.63	909	861	814	770	730	694	662	632	604	580	556	535	514	492	472	453	382	332	242	191	136	106	58
1.60	925	874	827	780	739	701	666	636	608	581	557	535	514	492	472	453	382	332	242	191	136	106	58

16HX800F-FR

Discharge Rates in Watts per cell at 25°C (77°F)

End Volts	Standby Time (Minutes)																						
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	25	30	45	60	90	120	240
1.75	1103	1055	1012	967	925	888	855	822	792	765	740	716	695	674	653	634	554	493	369	297	216	170	93
1.70	1201	1137	1082	1034	992	951	911	875	842	811	782	754	729	705	683	663	574	508	378	301	216	170	93
1.67	1259	1184	1122	1069	1022	980	940	900	864	831	800	771	744	719	696	674	582	514	378	301	216	170	93
1.65	1289	1215	1148	1091	1041	996	955	914	876	842	810	780	752	726	702	680	587	516	378	301	216	170	93
1.63	1312	1244	1172	1111	1058	1011	967	927	887	851	818	787	759	732	708	685	589	516	378	301	216	170	93
1.60	1345	1274	1206	1139	1081	1029	983	940	900	862	828	796	767	740	715	691	589	516	378	301	216	170	93

16HX925F-FR

Discharge Rates in Watts per cell at 25°C (77°F)

End Volts	Standby Time (Minutes)																						
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	25	30	45	60	90	120	240
1.75	1302	1248	1199	1144	1095	1051	1012	977	944	909	872	838	807	778	751	726	627	553	409	327	235	184	101
1.70	1349	1312	1254	1201	1154	1104	1059	1019	982	947	914	879	843	811	781	752	644	566	413	328	235	184	101
1.67	1350	1344	1281	1225	1175	1127	1080	1036	997	960	925	893	857	823	792	763	647	566	413	328	235	184	101
1.65	1350	1349	1296	1238	1186	1137	1089	1044	1004	966	930	897	864	829	796	765	647	566	413	328	235	184	101
1.63	1350	1349	1305	1249	1195	1144	1096	1050	1008	970	933	899	866	829	796	765	647	566	413	328	235	184	101
1.60	1350	1349	1305	1261	1203	1150	1101	1055	1012	972	934	899	866	829	796	765	647	566	413	328	235	184	101

16HX50F-FR

Discharge Rates in Amperes at 25°C (77°F)

End Volts	Minutes												Hours													
	1	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
1.85	374	333	264	216	183	159	141	127	115	107	99	92	86	62.3	49.0	40.9	35.0	27.3	22.8	19.4	16.8	14.8	13.3	12.0	10.14	5.19
1.80	462	385	306	245	205	177	156	139	126	116	108	100	93	66.5	52.1	43.4	37.0	28.9	24.1	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.75	543	431	336	270	222	189	165	146	132	121	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.73	575	449	347	277	226	192	167	148	134	122	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.71	605	465	356	284	230	194	169	149	134	122	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.69	636	482	365	289	233	196	169	149	134	122	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.67	659	497	372	294	235	196	169	149	134	122	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.65	660	512	379	297	235	196	169	149	134	122	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.63	660	528	384	298	235	196	169	149	134	122	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43
1.60	660	552	390	298	235	196	169	149	134	122	113	104	97	68.3	53.1	44.0	37.4	29.1	24.2	20.5	17.8	15.7	14.0	12.7	10.66	5.43

16HX800F-FR

Discharge Rates in Amperes at 25°C (77°F)

End Volts	Minutes												Hours													
	1	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
1.85	481	444	368	311	270	237	212	192	176	164	154	143	134	98.2	77.7	65.3	55.9	43.6	36.7	31.3	27.3	24.2	21.9	19.9	16.92	8.93
1.80	611	526	424	354	304	267	237	213	194	179	167	156	146	105.4	83.0	69.5	59.5	46.3	38.8	33.1	28.8	25.6	23.1	21.0	17.76	9.28
1.75	737	602	474	391	331	287	253	226	205	189	176	163	153	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28
1.73	782	630	492	403	339	293	257	230	208	192	179	166	154	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28
1.71	826	657	509	414	347	298	261	233	211	194	179	166	154	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28
1.69	869	683	526	423	353	302	265	235	211	194	179	166	154	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28
1.67	912	709	540	432	358	306	267	235	211	194	179	166	154	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28
1.65	948	733	554	439	363	308	267	235	211	194	179	166	154	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28
1.63	970	754	566	446	367	308	267	235	211	194	179	166	154	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28
1.60	970	784	582	454	368	308	267	235	211	194	179	166	154	109.3	85.2	71.0	60.5	46.8	39.2	33.3	29.0	25.7	23.1	21.0	17.76	9.28

16HX925F-FR

Discharge Rates in Amperes at 25°C (77°F)

End Volts	Minutes												Hours													
	1	5	10	15	20	25	30	35	40	45	50	55	1	1.5	2	2.5	3	4	5	6	7	8	9	10	12	24
1.85	620	557	446	366	312	272	241	217	198	183	171	159	149	107.7	84.8	71.0	60.8	47.5	39.8	33.8	29.4	26.0	23.3	21.1	17.80	9.14
1.80	746	637	514	413	348	302	266	238	215	198	185	172	160	114.9	90.1	75.2	64.3	50.2	42.1	35.7	31.1	27.5	24.6	22.2	18.70	9.56
1.75	833	704	562	455	375	321	281	250	225	208	193	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56
1.73	861	728	579	468	382	326	285	253	228	209	194	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56
1.71	872	750	594	479	388	331	289	255	228	209	194	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56
1.69	872	772	607	488	393	333	289	255	228	209	194	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56
1.67	925	790	619	495	396	333	289	255	228	209	194	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56
1.65	960	805	628	501	396	333	289	255	228	209	194	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56
1.63	990	820	636	503	396	333	289	255	228	209	194	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56
1.60	990	842	645	503	396	333	289	255	228	209	194	179	167	118.1	91.8	76.3	65.0	50.6	42.3	35.8	31.1	27.5	24.6	22.2	18.70	9.56



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