

**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

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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