

data safe[®]

*The World's First 16V
Front Terminal UPS Battery*

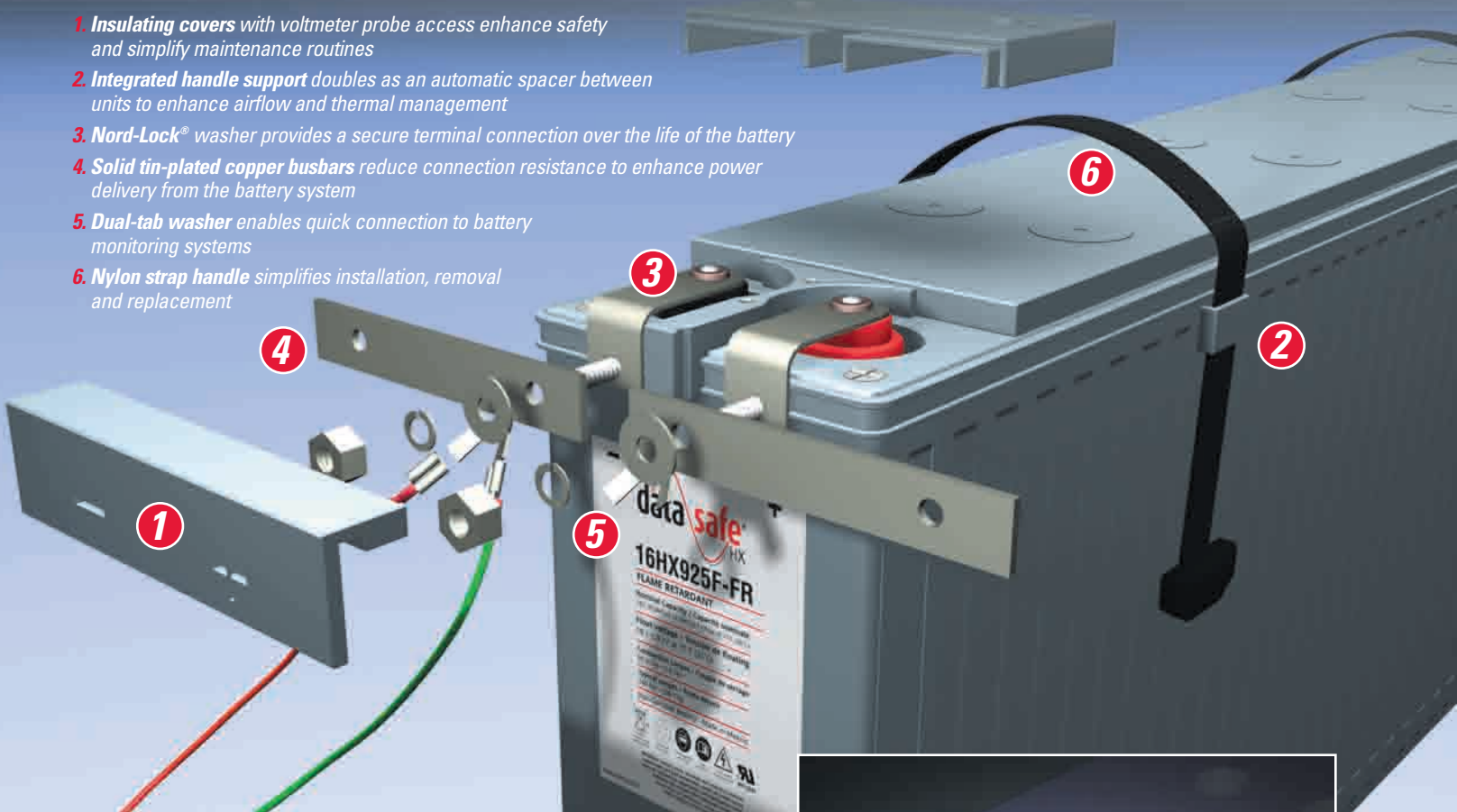


EnerSys
Power/Full Solutions

Available exclusively from EnerSys[®], the world leader in stored power solutions.

OUT IN FRONT OF THE COMPETITION.

1. **Insulating covers** with voltmeter probe access enhance safety and simplify maintenance routines
2. **Integrated handle support** doubles as an automatic spacer between units to enhance airflow and thermal management
3. **Nord-Lock® washer** provides a secure terminal connection over the life of the battery
4. **Solid tin-plated copper busbars** reduce connection resistance to enhance power delivery from the battery system
5. **Dual-tab washer** enables quick connection to battery monitoring systems
6. **Nylon strap handle** simplifies installation, removal and replacement



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 500 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
- Easy terminal access simplifies maintenance
- No costly slide out trays required to obtain terminal access



DataSafe® 16V Front Terminal UPS Batteries eliminate the difficult maintenance and burdensome space requirements of top-terminated 12V UPS batteries.

Go to www.savebatteryspace.com and witness the revolution in UPS batteries.

DESIGNED TO BETTER MEET UPS NEEDS.

DataSafe® 16V batteries save valuable space

EnerSys® engineers set out to develop a true UPS design, front-terminal battery that would be cost effective, space efficient, and easy to maintain.

It also had to be conducive to incorporating monitoring systems, adaptable to existing cabinet designs, and built on proven electrochemistry and design practices.

Finally, the battery had to be capable of scaling to larger capacities to minimize the number of strings in larger UPS systems.

Compared with 12V top-terminated batteries, DataSafe® 16V front-terminated batteries offer several distinct advantages:

- More than 20% space savings for a full 15 minute run time for 750kVA UPS systems
- 925 WPC design reduces the number of parallel strings required
- Up to 50% fewer connections means less maintenance
- No wasted space
- Scales easily to large capacity UPS systems
- Fits within many existing cabinet designs



DataSafe® 16V batteries use 20% less space to deliver a full 15 minutes of run time for 750kVA UPS systems.

DataSafe® Battery Cabinet Systems:

Cabinet System Model Number**	Battery Type	# Units	Voltage	Width		Depth		Height		1 String System Weight	15 MIN kWb @ 1.67 at 25°C/77°F			
				Inches	mm	Inches	mm	Inches	mm		1 string	2 string	3 string	4 string
ST65925480B0600A	16HX925F-FR	30	480	50.0	1270	31.5	800	84.0	2134	8600*	222.0	444.0	666.0	888.0
ST64925384B0600A	16HX925F-FR	24	384	50.0	1270	31.5	800	72.0	1829	7160*	177.6	355.2	532.8	710.4
SS65925480B0600A	16HX925F-FR	30	480	60.6	1539	31.5	800	72.0	1829	8600*	222.0	444.0	666.0	888.0
ST65800480B0600A	16HX800F-FR	30	480	50.0	1270	31.5	800	84.0	2134	8000	192.0	384.0	576.0	768.0
ST64800384B0600A	16HX800F-FR	24	384	50.0	1270	31.5	800	72.0	1829	6560	153.6	307.2	460.8	614.4
SS65800480B0600A	16HX800F-FR	30	480	60.6	1539	31.5	800	72.0	1829	8000	192.0	384.0	576.0	768.0
ST65500480B0600A	16HX500F-FR	30	480	32.0	813	31.5	800	84.0	2134	5250	120.0	240.0	360.0	480.0
ST64500384B0600A	16HX500F-FR	24	384	32.0	813	31.5	800	72.0	1829	4355	96.0	192.0	288.0	384.0
SS65500480B0600A	16HX500F-FR	30	480	43.0	1092	31.5	800	72.0	1829	5250	120.0	240.0	360.0	480.0

* HX925F-FR String consists of two cabinets, each cabinet weight is half the single-string system weight.

** Each cabinet system is single-string. For multi-string systems, order multiple cabinet systems.

Go to www.savebatteryspace.com and witness the revolution in UPS batteries.



General Specifications

	Inches			Millimeters			Weight Lbs	Weight kg	Short Circuit Amps	Internal Resistance (mΩ)
	L	W	H	L	W	H				
16HX500F-FR	27.2	4.6	12.3	692	117	313	149	67.6	3,570	4.7
16HX800F-FR	27.2	7.0	12.3	692	178	313	220	99.8	5,790	2.9
16HX925F-FR	27.2	7.0	12.3	692	178	313	240	108.8	6,270	2.7

16HX500F-FR

Watts Per Cell @ 77°F (25°C)

End Volts	Standby Time (Minutes)									
	5	10	15	20	30	45	60	90	120	240
1.75	769	585	470	391	296	218	174	124	98	54
1.70	831	619	492	405	303	220	174	124	98	54
1.67	860	634	500	411	304	220	174	124	98	54
1.65	879	643	505	414	304	220	174	124	98	54
1.63	897	651	509	414	304	220	174	124	98	54
1.60	923	660	511	414	304	220	174	124	98	54

16HX800F-FR

Watts Per Cell @ 77°F (25°C)

End Volts	Standby Time (Minutes)									
	5	10	15	20	30	45	60	90	120	240
1.75	1103	889	740	634	493	369	297	216	170	93
1.70	1131	951	782	662	508	378	301	216	170	93
1.67	1131	980	800	674	514	378	301	216	170	93
1.65	1132	996	810	680	516	378	301	216	170	93
1.63	1132	1010	818	685	516	378	301	216	170	93
1.60	1132	1030	828	690	516	378	301	216	170	93

16HX925F-FR

Watts Per Cell @ 77°F (25°C)

End Volts	Standby Time (Minutes)									
	5	10	15	20	30	45	60	90	120	240
1.75	1140	1000	840	718	552	408	328	240	184	100
1.70	1184	1050	893	745	567	412	329	240	184	100
1.67	1210	1080	925	761	576	412	329	240	184	100
1.65	1224	1087	928	763	577	412	329	240	184	100
1.63	1239	1094	931	765	579	412	329	240	184	100
1.60	1260	1105	936	768	581	412	329	240	184	100

1-800-538-3627 | www.savebatteryspace.com

US-HX16-FL-002 July 2008

© 2008 EnerSys. All rights reserved.

Trademarks and logos are the property of EnerSys and its affiliates, except Nord Lock® which is not the property of EnerSys. Subject to revisions without prior notice. E.&O.E.



ENERSYS WORLD HEADQUARTERS
P.O. Box 14145
Reading, PA 19612
Phone: 800-538-3627
Fax: 610-372-8613
www.enersys.com

ENERSYS CANADA INC.
61 Parr Boulevard Unit 3
Bolton, Ontario • Canada L7E 4E3
Phone: 800-363-4877
Fax: 905-951-4441

ENERSYS DE MEXICO SA DE CV
Ave Lopez Mateos #4210
Colonia Casa Blanca • C.P. 66475
San Nicolas de los Garza, N.L. Mexico
Phone: 011-52-818-329-6400
Fax: 011-52-818-329-6489

Go to www.savebatteryspace.com and witness the revolution in UPS batteries.