

## DataSafe® 12HX1000F-FR Battery Systems Range Summary

Delivering increased power, with the convenience of front terminal 12V Uninterruptible Power Supply (UPS) batteries built for today's demanding mission critical applications. The new 12HX1000F-FR can deliver the power needed for today's datacenter customers. The cabinet system is space efficient with 480V fitting into 56" of linear space.

### Features and Benefits

- 2015 International Building Code (IBC), 2016 California Building Code (CBC) Seismic Design Category F, Ss = 2.0 and Importance Factor 1.5
- Factory pre-wired to reduce installation time
- Space efficient design to reduce footprint
- Easily upgradeable to include battery monitoring system
- Several knock out locations to accommodate wiring needs



# DataSafe® Battery Cabinet Systems

## About the DataSafe Battery Cabinet model numbering system

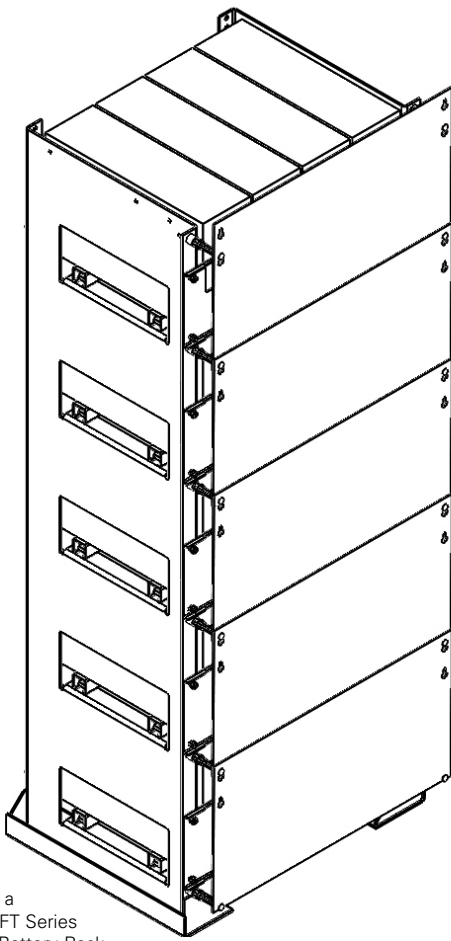
When referring to the model listings below: The first 2 digits (87) represent the only cabinet size available for the 12HX1000F-FR. The "E1E" represents EnerSys 1 string (2 strings requires a quote from EnerSys). The following "1K" indicates the battery type as 1000 wpc, the only type to fit in this cabinet. "XD" is representative of the connecting hardware. The following 3 digits represent the Bus voltage (480, 384, etc.). "1B" indicates the breaker, and the following 3 digits indicate the breaker size range (600-030). The "#" indicates the number of auxiliary contacts – choices are 0, 1 or 2. The next digit indicates the inclusion of a Bell Alarm: "0" = no, "1" = yes. The "\*" is the indicator of the breaker option: list "W" for 24 VDC Shunt Trip; "X" for 48 VDC Shunt Trip, "H" for 24 UVR or "J" for 48 UVR. "S1" indicates Seismic IBC 2015. "??" indicates the cabinet color: choose "QB" for beige or "BT" for black. Fuses are no longer offered.

Model Number	DataSafe® Battery Type	System Voltage	Number of Strings	Number of Units in Cabinet	Breaker Size Amps	Nominal Dimensions			Net Weight lbs (kg)	Package Weight lbs (kg)
						Length inches (mm)	Width inches (mm)	Height inches (mm)		
87E1E1KXD4801B800#0*S1??	12HX1000F-FR	480	1	40	800A	56.0 (1442)	29.6 (752)	84.0 (2133)	8650 (3924)	8680 (3937)
87E1E1KXD4801B600#0*S1??	12HX1000F-FR	480	1	40	600A	56.0 (1442)	29.6 (752)	84.0 (2133)	8650 (3924)	8680 (3937)
87E1E1KXD4801B500#0*S1??	12HX1000F-FR	480	1	40	500A	56.0 (1442)	29.6 (752)	84.0 (2133)	8650 (3924)	8680 (3937)
87E1E1KXD4801B400#0*S1??	12HX1000F-FR	480	1	40	400A	56.0 (1442)	29.6 (752)	84.0 (2133)	8650 (3924)	8680 (3937)
87E1E1KXD4801B350#0*S1??	12HX1000F-FR	480	1	40	350A	56.0 (1442)	29.6 (752)	84.0 (2133)	8650 (3924)	8680 (3937)
87E1E1KXD4801B300#0*S1??	12HX1000F-FR	480	1	40	300A	56.0 (1442)	29.6 (752)	84.0 (2133)	8650 (3924)	8680 (3937)
87E1E1KXD4801B250#0*S1??	12HX1000F-FR	480	1	40	250A	56.0 (1442)	29.6 (752)	84.0 (2133)	8650 (3924)	8680 (3937)
87E1E1KXD4321B800#0*S1??	12HX1000F-FR	432	1	36	800A	56.0 (1442)	29.6 (752)	84.0 (2133)	7926 (3595)	7956 (3609)
87E1E1KXD4321B600#0*S1??	12HX1000F-FR	432	1	36	600A	56.0 (1442)	29.6 (752)	84.0 (2133)	7926 (3595)	7956 (3609)
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87E1E1KXD3841B800#0*S1??	12HX1000F-FR	384	1	32	800A	56.0 (1442)	29.6 (752)	84.0 (2133)	7202 (3267)	7232 (3280)
87E1E1KXD3841B600#0*S1??	12HX1000F-FR	384	1	32	600A	56.0 (1442)	29.6 (752)	84.0 (2133)	7202 (3267)	7232 (3280)
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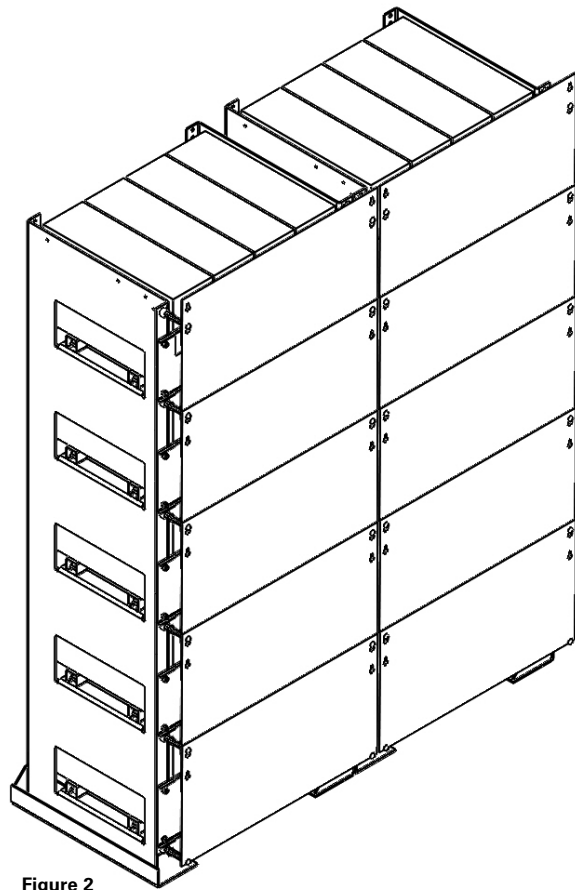
HX System Model Numbers are based on 15 minute run time. For less than 15 minutes larger breakers are required.

Model Number	DataSafe® Battery Type	System Voltage	Number of Strings	Number of Units in Cabinet	Breaker Size Amps	Nominal Dimensions			Net Weight lbs (kg)	Package Weight lbs (kg)
						Length inches (mm)	Width inches (mm)	Height inches (mm)		
87E1E1KXD3841B400#0*S1??	12HX1000F-FR	384	1	32	400A	56.0 (1442)	29.6 (752)	84.0 (2133)	7202 (3267)	7232 (3280)
87E1E1KXD3841B350#0*S1??	12HX1000F-FR	384	1	32	350A	56.0 (1442)	29.6 (752)	84.0 (2133)	7202 (3267)	7232 (3280)
87E1E1KXD3841B300#0*S1??	12HX1000F-FR	384	1	32	300A	56.0 (1442)	29.6 (752)	84.0 (2133)	7202 (3267)	7232 (3280)
87E1E1KXD3841B250#0*S1??	12HX1000F-FR	384	1	32	250A	56.0 (1442)	29.6 (752)	84.0 (2133)	7202 (3267)	7232 (3280)
87E1E1KXD3601B800#0*S1??	12HX1000F-FR	360	1	30	800A	56.0 (1442)	29.6 (752)	84.0 (2133)	6840 (3103)	6870 (3116)
87E1E1KXD3601B600#0*S1??	12HX1000F-FR	360	1	30	600A	56.0 (1442)	29.6 (752)	84.0 (2133)	6840 (3103)	6870 (3116)
87E1E1KXD3601B500#0*S1??	12HX1000F-FR	360	1	30	500A	56.0 (1442)	29.6 (752)	84.0 (2133)	6840 (3103)	6870 (3116)
87E1E1KXD3601B400#0*S1??	12HX1000F-FR	360	1	30	400A	56.0 (1442)	29.6 (752)	84.0 (2133)	6840 (3103)	6870 (3116)
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87E1E1KXD3601B250#0*S1??	12HX1000F-FR	360	1	30	250A	56.0 (1442)	29.6 (752)	84.0 (2133)	6840 (3103)	6870 (3116)
87E1E1KXD2881B800#0*S1??	12HX1000F-FR	288	1	24	800A	56.0 (1442)	29.6 (752)	84.0 (2133)	5754 (2610)	5784 (2624)
87E1E1KXD2881B600#0*S1??	12HX1000F-FR	288	1	24	600A	56.0 (1442)	29.6 (752)	84.0 (2133)	5754 (2610)	5784 (2624)
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87E1E1KXD2881B350#0*S1??	12HX1000F-FR	288	1	24	350A	56.0 (1442)	29.6 (752)	84.0 (2133)	5754 (2610)	5784 (2624)
87E1E1KXD2881B300#0*S1??	12HX1000F-FR	288	1	24	300A	56.0 (1442)	29.6 (752)	84.0 (2133)	5754 (2610)	5784 (2624)
87E1E1KXD2881B250#0*S1??	12HX1000F-FR	288	1	24	250A	56.0 (1442)	29.6 (752)	84.0 (2133)	5754 (2610)	5784 (2624)

HX System Model Numbers are based on 15 minute run time. For less than 15 minutes larger breakers are required.



**Figure 1**  
Example of a  
12-Volt HX-FT Series  
Single-Bay Battery Rack



**Figure 2**  
Example of a  
12-Volt HX-FT Series  
Dual-Bay Battery Rack

### Single-Bay

Tiers	Model Number	Blocs/ Tier	# of Batteries	Voltage	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kgs)
1	I12HX1K4J1TSA	4	4	48	30.7 (779.8)	26.2 (665.5)	17.6 (447)	884 (401)
2	I12HX1K4J2TSA	4	8	96	30.7 (779.8)	26.2 (665.5)	32.6 (828)	1725 (782)
3	I12HX1K4J3TSA	4	12	144	30.7 (779.8)	26.2 (665.5)	47.6 (1209)	2567 (1164)
4	I12HX1K4J4TSA	4	16	192	30.7 (779.8)	26.2 (665.5)	65.6 (1666)	3408 (1546)
5	I12HX1K4J5TSA	4	20	240	30.7 (779.8)	26.2 (665.5)	77.6 (1971)	4250 (1928)

Length may vary based on anchor bolt requirements at local site (may need 4" spacing between the racks).

### Dual-Bay

Tiers	Model Number	Blocs/ Tier	# of Batteries	Voltage	Length inches (mm)	Width inches (mm)	Height inches (mm)	Weight lbs (kgs)
1	(2) I12HX1K4J1TSA	4	8	96	61.4 (1559.6)	26.2 (665.5)	17.6 (447)	1768 (802)
2	(2) I12HX1K4J2TSA	4	16	192	61.4 (1559.6)	26.2 (665.5)	32.6 (828)	3450 (1565)
3	(2) I12HX1K4J3TSA	4	24	288	61.4 (1559.6)	26.2 (665.5)	47.6 (1209)	5034 (2283)
4	(2) I12HX1K4J4TSA	4	32	384	61.4 (1559.6)	26.2 (665.5)	65.6 (1666)	6816 (3092)
5	(2) I12HX1K4J5TSA	4	40	480	61.4 (1559.6)	26.2 (665.5)	77.6 (1971)	8500 (3856)



**EnerSys World Headquarters**  
2366 Bernville Road  
Reading, PA 19605, USA  
Tel: +1-610-208-1991 /  
+1-800-538-3627

**EnerSys EMEA**  
EH Europe GmbH  
Baarerstrasse 18  
6300 Zug, Switzerland

**EnerSys Asia**  
152 Beach Road  
#11-08 Gateway East Building  
Singapore 189721  
Tel: +65 6416 4800