data safe HX

Battery Range Summary

The DataSafe® HX range of valve regulated lead acid batteries has been designed to offer superior solutions for the Uninterruptible Power Supply (UPS) and Information Technology markets. DataSafe HX batteries are the ideal source of power to protect vital systems and incorporates select design features that maximise reliability while ensuring superior performance and an excellent service life.

DataSafe HX batteries are designed using proven gas recombination technology that removes the need for regular water addition by controlling the evolution of hydrogen and oxygen during charging. The use of gas recombination technology for lead acid batteries has totally changed the concept of standby power. This technology provides the user with the freedom to use lead acid batteries in a wide range of applications.

Built on advanced electrochemistry and backed by over 100 years experience in battery technology and manufacture, DataSafe HX monoblocs have been specifically developed for high discharge rate applications.

Features and Benefits

- Specifically developed for UPS applications
- 6 & 12 volt monoblocs
- 23 to 780 Watts/cell sizes
  (15 min. rate to 1.67Vpc at 25°C)
- High power density
- Optimum footprint and volume efficiency
- Long design life
- Proven VRLA AGM technology

EnerSys®

Power/Full Solutions

RESERVE POWER

Construction

- Electrochemistry optimised for high rate discharge applications
- High performance positive plate grids designed to resist corrosion, prolong active life and for efficient recharge
- Negative plates provide perfect balance with the positive plates to ensure optimum recombination efficiency
- Separators in low resistance microporous glass fibre. The electrolyte is absorbed within this material, preventing acid leakage in case of accidental damage
- Containers and lids in highly resistant polymer
- Electrolyte - high grade dilute sulphuric acid absorbed into separator material

- High integrity terminals designed for maximum conductivity
- High integrity, leak-resistant post seal design for long life
- Self regulating pressure relief valves - prevent ingress of atmospheric oxygen

Installation & Operation

- Monoblocs are designed to be installed on their base. Consult your local EnerSys® representative before installing in any other orientation
- Recommended float charge voltage: 2.25 - 2.28Vpc at 25°C
- Operating temperature range: -20°C to +50°C (20°C - 25°C recommended)
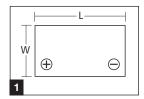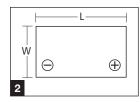- Up to six months shelf life

Standards

- UL listing: file numbers MH16464 for 12HX25 - 12HX150 and MH12544 for 12HX205 - 6HX800
- Classified as "Long Life" (> 10/12 years) according to Eurobat guide 2015
- Approved for shipping as non-hazardous, non-spillable - per IATA Special Provision A67 and 49 CFR
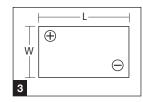- The management system governing the manufacture of DataSafe® HX products is ISO 9001 certified
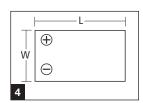
General Specifications

DataSafe® HX Battery Type	Nominal Voltage (V)	Watts/Cell (Wpc) 15min/1.67Vpc at 25°C	Nominal Capacity (Ah) C_{10}/1.80Vpc at 25°C	Nominal Dimensions (mm)			Typical Weight (kg)	Short Circuit Current (A)	Maximum Discharge Current (Amps-2 min rate)	Internal Resistance (mΩ)	Terminal Layout	Terminal Drawing
				Length	Width	Height						
12HX25	12	23	5.0	90	70	107	2.0	300	41	16.5	1	A
12HX35	12	36	7.0	151	65	100	2.8	500	62	13.2	4	A
6HX50	6	53	11	151	50	99	2.1	720	93	6.1	1	A
12HX50	12	53	11	152	99	99	4.1	720	93	12.2	4	A
12HX80	12	80	16	181	76	167	6.4	1000	140	8.5	2	B
12HX105	12	100	21	166	175	125	10.0	1500	171	7.1	2	B
12HX135	12	135	28	196	130	169	11.8	1800	238	5.6	1	B
12HX150	12	150	33	197	165	170	14.5	2400	277	5.0	2	C
12HX205	12	204	45	226	140	206	19.5	2775	439	4.5	1	C
12HX300	12	284	72	259	175	208	27.2	3175	503	3.9	1	C
12HX330	12	336	84	300	173	213	32.2	3700	586	3.4	1	C
12HX400	12	381	93	338	173	211	36.3	4225	670	3.0	1	C
12HX505	12	506	123	338	173	273	46.7	4510	913	2.8	1	C
12HX540	12	540	126	338	173	273	48.1	4775	961	2.6	1	C
6HX800	6	780	196	340	173	211	36.3	6200	1272	1.0	3	C

Terminal Layouts

Terminal Drawings

Faston Tab: 250

Female Thread

Female Thread

EnerSys
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