



## Battery Range Summary

The SuperSafe® DDm range of valve regulated lead acid batteries further demonstrates EnerSys' commitment to supplying those high quality products demanded by customers in the Energy Systems marketplace. SuperSafe DDm combines the benefits of large capacity, long life cells with a choice of compact, conventional or anti-shock racking systems to provide reliable, cost-effective solutions for large installations.

SuperSafe DDm's enhanced cell design incorporates thick positive plates for superior operational life expectancy together with a dual pillar seal arrangement for utmost integrity. Furthermore, cells are supplied in dedicated steel containers that maintain the uniform compression necessary to ensure consistent performance throughout product life.

The combination of individual modules for easier handling and specially engineered conventional racks provide the flexibility for system design that allows simplified, front access installation even in the most difficult locations. Where operating criteria demands, SuperSafe DDm can also be supplied with seismic racks qualified to UBC 1997 Zone 4.

For those Energy Systems applications that include telecommunications, uninterruptible power supply and power generation/distribution, SuperSafe DDm provides an unrivalled solution.

### Features & Benefits

- Up to 2000Ah in a single cell
- 100% initial battery capacity
- Flame retardant container & lid
- High integrity, dual pillar seal design)
- Excellent design life
- Individual modules for maximum configuration flexibility
- Simple on-site installation process
- Total front access for easy maintenance

## Construction

- Positive plates - Thick lead-tin-calcium grids minimise corrosion and prolong life
- Negative plates - Balanced lead-calcium grids optimise recombination efficiency
- Separators - Low resistance microporous glass fibre mat
- Electrolyte - Dilute sulphuric acid absorbed within the separator
- Cell box / lid - UL94 V-0 flame retardant polypropylene
- Cell box - Single piece construction for optimum leak resistance
- Terminal pillar - Lead casting with threaded copper insert to provide maximum conductivity
- Pillar seal - 100% factory tested, proven ring burn with secondary epoxy resin seal
- Relief valve - Complete with integral flame arrestor

## Installation & Operation

- Connectors can be supplied to suit either long duration low current discharges or short duration high current discharges
- Ease of installation due to module design concept. Simply set up rack and install modules
- Flexible configuration
- Total front access for easy maintenance
- Adjustable feet for uneven floors (conventional stands)
- Reduced maintenance: no water addition required

## Standards

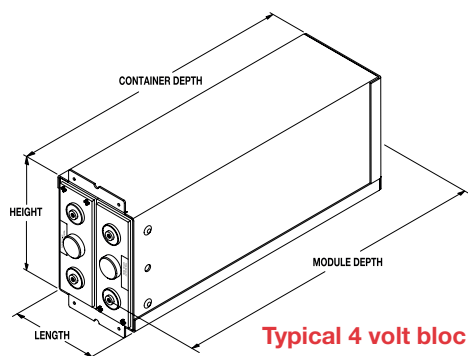
- Designed for compliance with International IEC 60896-21/22 standard
- Classified as "Very Long Life" (> 12 years) according to the Eurobat Guide 2015
- UL File Number MH27851
- The management system governing the manufacture of SuperSafe® DDm products is ISO 9001 certified

## General Specifications

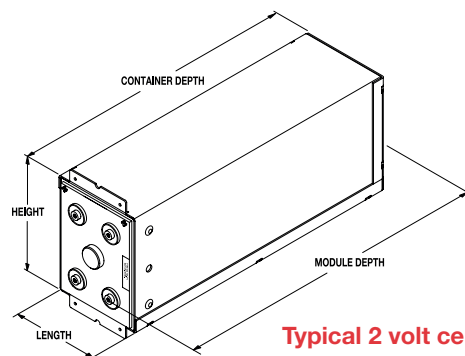
Battery Type	Cells Per Module	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Dimensions (mm)				Typical weight (kg)	Internal Resistance (micro-Omhs)	Short Circuit Current (Amps)
			10 hr rate to 1.80Vpc @ 20°C	Length	Height	Depth (container)	Depth (module)			
2DDm50-09	2	4	202	188	165	333	366	34	825	2527
2DDm50-13	2	4	303	265	165	333	366	50	550	2791
DDm50-17	1	2	404	176	165	333	366	34	413	5048
2DDm85-13	2	4	498	265	165	519	554	76	515	4049
2DDm85-15	2	4	582	303	165	519	554	89	441	4728
DDm85-21	1	2	831	214	165	519	554	65	309	6748
DDm85-25	1	2	997	252	165	519	554	74	258	8081
DDm85-27	1	2	1080	271	165	519	554	81	238	8761
DDm85-33	1	2	1330	328	165	519	554	98	193	17803
DDm100-21	1	2	975	214	165	590	624	74	270	7722
DDm100-25	1	2	1170	252	165	590	624	87	225	9267
DDm100-27	1	2	1270	271	165	590	624	92	208	10024
DDm100-33	1	2	1560	328	165	590	624	115	169	12337
DDm125-25	1	2	1490	252	226	562	597	112	168	12411
DDm125-27	1	2	1610	271	226	562	597	121	155	13452
DDm125-33	1	2	1980	328	226	562	597	144	126	16548

Please contact your local EnerSys Sales Department for advice on how to select the most appropriate stand arrangement.

## Outline Drawings



Typical 4 volt bloc



Typical 2 volt cell



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