



Battery Range Summary

The PowerSafe® DDm range of valve regulated lead acid batteries further demonstrates EnerSys' commitment to supplying those high quality products demanded by customers in the Reserve Power marketplace. PowerSafe 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.

PowerSafe 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, PowerSafe DDm can also be supplied with seismic racks qualified to UBC 1997 Zone 4.

For those Reserve Power applications that include telecommunications, uninterruptible power supply and power generation/distribution, PowerSafe DDm provides an unrivalled solution.

Features and 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 PowerSafe® DDm products is ISO 9001 certified

General Specifications

PowerSafe® DDm Battery Type	Cells per Module	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Dimensions (mm)				Typical Weight (kg)	Internal Resistance (micro-Ohms)	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	34.3	825	2527
2DDm50-13	2	4	303	265	165	333	366	49.5	550	2791
DDm50-17	1	2	404	176	165	333	366	34.0	413	5048
2DDm85-13	2	4	498	265	165	519	554	75.7	515	4049
2DDm85-15	2	4	582	303	165	519	554	88.5	441	4728
DDm85-21	1	2	831	214	165	519	554	64.5	309	6748
DDm85-25	1	2	997	252	165	519	554	74.4	258	8081
DDm85-27	1	2	1080	271	165	519	554	80.8	238	8761
DDm85-33	1	2	1330	328	165	519	554	97.9	193	17803
DDm100-21	1	2	975	214	165	590	624	73.5	270	7722
DDm100-25	1	2	1170	252	165	590	624	86.5	225	9267
DDm100-27	1	2	1270	271	165	590	624	92.0	208	10024
DDm100-33	1	2	1560	328	165	590	624	115.3	169	12337
DDm125-25	1	2	1490	252	226	562	597	112.3	168	12411
DDm125-27	1	2	1610	271	226	562	597	120.8	155	13452
DDm125-33	1	2	1980	328	226	562	597	144.1	126	16548

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

Outline Drawings

