

RANGE SUMMARY

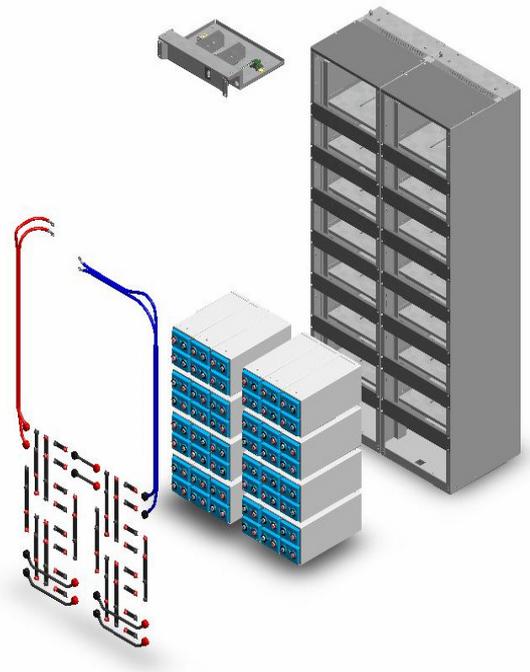
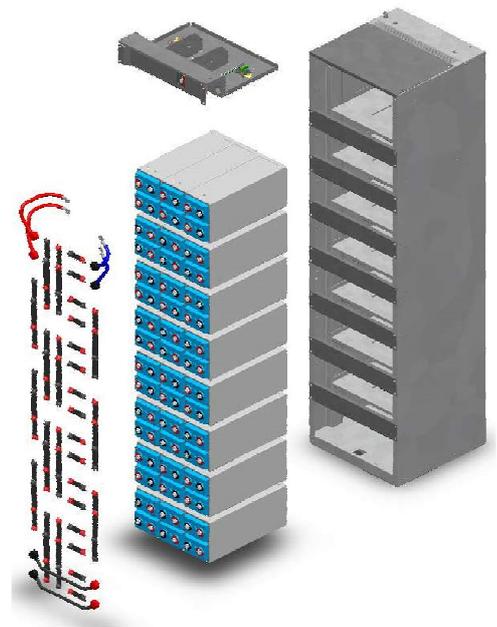
The **SuperSafe T-MJ** battery range offers the optimum solution for large capacity and high-density, valve regulated lead acid (VRLA) battery requirements. **SuperSafe T-MJ** batteries' flexible design concept, with its customized racking system, provides a cost-effective, compact battery solution and offers a quick onsite installation process.

SuperSafe T-MJ batteries provide excellent performance and service life across an extensive range of applications including, telecommunications, power generation sites, both low and high rate UPS and emergency lighting.

SuperSafe T-MJ batteries are designed utilising EnerSys' proven gas recombination technology which removes the need for regular water addition by regulating the emission of hydrogen and oxygen during charging. Oxygen evolved at the positive plates diffuses through microporous separators to the negative plates, and, by a series of chemical reactions within the cell, recombines to form water. Each cell incorporates its own safety valve that allows the controlled release of gas when pressure builds up within the cell.

Features & Benefits

- Capacity range: 500Ah & 1,000Ah
- Long Design Life
- Matched rack solutions deliver highest energy densities and total configuration flexibility
- Front connections provide excellent maintenance access
- 100% nominal C¹⁰ capacity check prior to dispatch



Construction

- Positive and negative plates in lead-tin-calcium alloy
- Separator - low resistance micro-porous glass fibre. The electrolyte is absorbed within this material, preventing acid spill in case of accidental damage
- Cells housed in steel modules complete
- Terminals with a large surface area copper insert to provide maximum conductivity
- Self-regulating pressure relief valve with integral flame arrestor
- Ring burn terminal seal an grommet with secondary epoxy resin

Installation & Operation

- Recommended float charge voltage 2.280Vpc at 20°C or 2.265Vpc at 25°C
- The SuperSafe T-MJ range is designed for horizontal installation and can be installed safely within equipment rooms. A separate dedicated battery room is not necessary
- Six months shelf life at 20°C, after which a freshening charge is required
- Reduced maintenance: no water addition required throughout operation life

Standards

- Compliant with international standard IEC 60896-21/22
- Classified as "Long Life" according to the Eurobat Guide 1999
- Approved to be shipped as non-hazardous cargo in accordance with the requirements of IMDG and OICA
- All cells are proven to have 100% rated C¹⁰ capacity in the factory prior to dispatch
- Manufactured in EnerSys ISO9001:2000 and ISO 14001:2004 certified facilities

Battery Specifications

Type	Nominal Voltage	Nominal Capacity (Ah)		Nominal Dimensions						Typical Weight	
		10hr rate to 1.80 vpc @ 25C	8hr rate to 1.75 vpc @ 25C	Length		Width		Overall Height		kg	lbs
		mm	in	mm	in	mm	in	mm	in		
4T500MJ	4	500	500	228	8.9	554	21.8	165	6.5	63	138.9
2T1000MJ	2	1,000	1,000	228	8.9	554	21.8	165	6.5	63	138.9

Rack Assembly Configurations

Rack Description	Nominal Dimensions						Assembly Weight	
	Depth		Overall Width		Overall Height		incl. batteries & breakers	
	mm	in	mm	in	mm	in	kg	lbs
1 Rack w/ 1 string of 48V1000Ah	600	23.6	600	23.6	2,200	86.6	1,650	3,637
1 Rack w/ 1 string of 48V500Ah	600	23.6	600	23.6	2,200	86.6	880	1,940
1 Rack w/ 2 strings of 48V500Ah	600	23.6	600	23.6	2,200	86.6	1,656	3,650
2 Rack w/ 1 string of 48V1000Ah	600	23.6	1,200	47.2	2,200	86.6	1,750	3,858



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