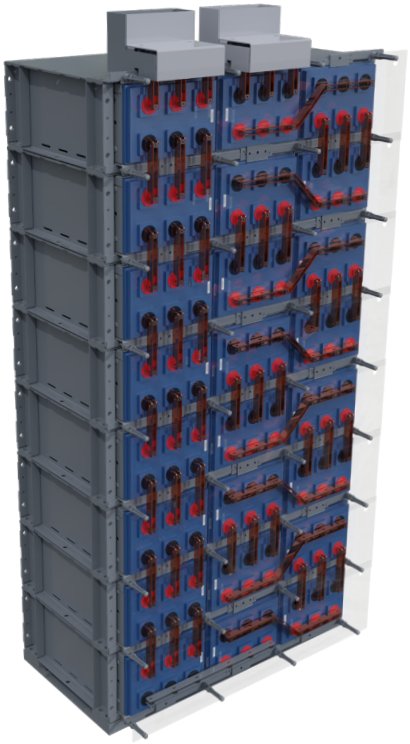
PowerSafe® DDmP



DDmP125-33
Low Profile System
Range Summary

The PowerSafe® DDmP125-33 LP battery rack design offers a 3 X 8 orientation to meet an 84" height footprint. It is an ideal solution for large capacity Valve Regulated Lead Acid (VRLA) battery requirements. The system's steel can (module) design with its integral racking system, provides a cost-effective battery system with a compact, quick and simple installation process.

The PowerSafe DDmP battery system's cutting-edge technology incorporates an enhanced cell design with thicker positive plates for longer life. The welded/epoxy, dual post seal design provides the highest seal integrity in the industry.

Copper inserted square post design enhances the high-rate performance. The batteries are encased in dedicated protective steel cans (modules) that maintain constant, uniform compression for the life of the battery.

The easy to assemble racking system provides total flexibility for system configuration and allows fast, simple installation even in the most difficult locations.

Features & Benefits

- Available for DDmP125-33 LP
- Lead-calcium alloy
- Valve regulated design with recombinant technology eliminates watering requirements
- Flame retardant polypropylene jar and cover (UL94 V-0 LOI 28%)
- Standard top termination, optional side termination
- The module design allows for easy, fast installation, uniform and consistent compression, along with built in cell protection

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Construction

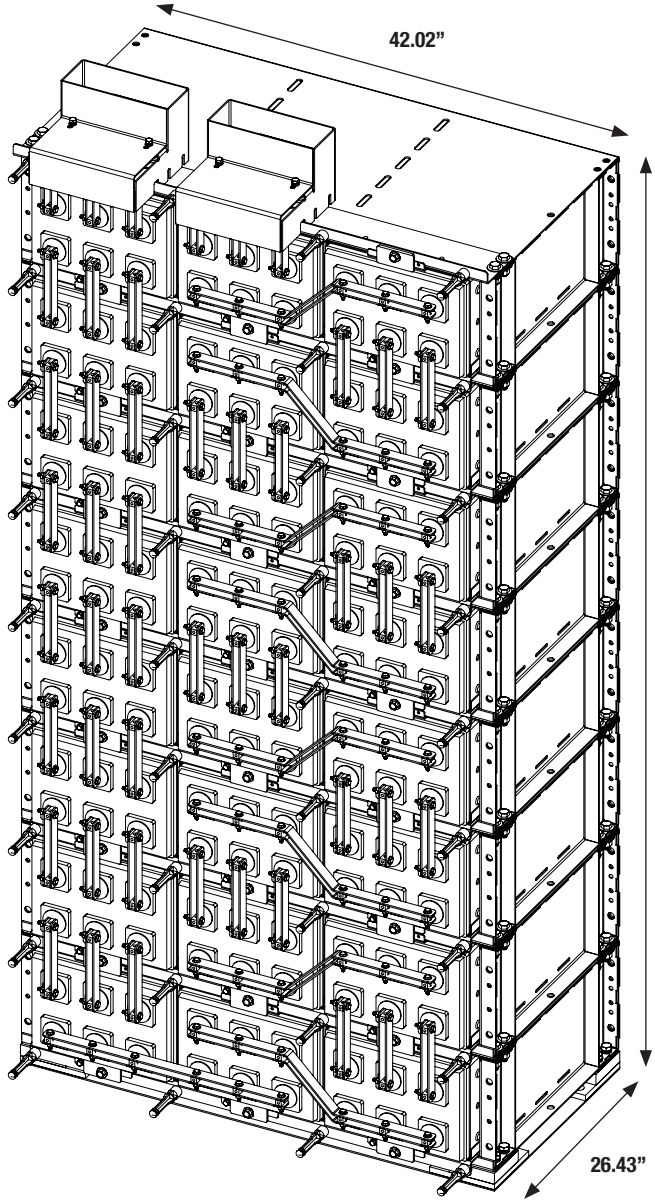
- Positive plate – thick 0.252” lead-calcium-tin grids minimize corrosion and prolong life
- Negative plate – balanced lead-calcium grids optimize recombination efficiency
- Absorbed Glass Mat (AGM) separator – mechanically strong, low electrical resistance, absorbed glass mat which completely absorbs the electrolyte into its structure
- Container/cover – standard UL94 V-0 flame retardant polypropylene (LOI 28%)
- Terminal post – square lead-tin coated copper insert cross-drilled (0.25” holes) with large surface area, to provide maximum conductivity
- Terminal seal – ring burn with secondary epoxy resin seal is 100% water bath tested in the factory and proven in service
- Relief valve – operates at 2-3 psi and is complete with integral flame arrestor and catalyst

Installation & Operation

- Compact, quick, and simple installation process
- Low maintenance – no watering required
- Thick plates, single piece container construction, robust construction for long life
- Welded/epoxy dual post seal design means zero leaks
- 100% “out of the box” initial capacity
- Operating temperature: -4°F (-20°C) to 122°F (50°C) Recommended temperature: 68°F (20°C) to 86°F (30°C)
- Optional disconnect switches, wall or relay rack mounted
- Initial post torque 85 in-lb (7.1 ft-lb), 9.6 Newton meters (N-m) Re-torque to 80%

Standards

- Non-spillable classification (UN2800)
- Approved for air transportation (IATAA67)
- Recognized by UL (UL standard 1989)
- The management systems governing the manufacture of this product are ISO 9001 and ISO 14001 certified



Height as shown with vertical terminal plates: 90.50”

Optional horizontal terminal plates available, height: 87.50”

Optional side termination available: Consult Application Engineering for possible locations.

General Specifications

Battery Type	Cell Type	Nominal[1] Ah	Cells Per Module	Nominal Voltage (V)	Nominal Row Width		Nominal Stack Depth		Typical System Weight Per Cell[2]			
									Unpacked		Packed	
					in	mm	in	mm	lbs	kg	lbs	kg
DDm125-33	**DDmP125-33**	2000	1	2	42.02	1067.3	26.43	671.3	355.0	161.0	358.3	162.5

Notes:

[1] Nominal Capacity calculated at the 8hr rate to 1.75Vpc at 77° F (25° C)

[2] Includes hardware for calculating stack configuration. Contact EnerSys® for seismic qualifications of system.

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