

WORLD-LEADING TECHNOLOGY EVEREXCEED STANDARD RANGE VRLA

CERTIFIED
ISO9001 & 14001
quality control & environment



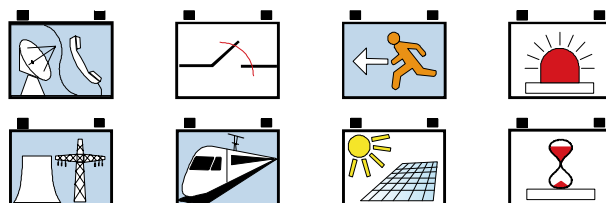
Applications

- Telecommunications
- Electric Utility
- Distributed Power
- Switchgear Control Power
- UPS System
- Navigation Aids
- Photovoltaic / Solar
- Standby Power Supply
- Cellular Radio
- Emergency Lighting

Capacities: 18AH to 250AH
Nominal voltage: 6V / 12V

12 years design life in float service @ 20°C (68°F)

Cycle life to 80% depth of discharge (IEC 896-2): 800



Features:

- ◆ Thick plates with grids cast from high purity lead-calcium-tin alloy to minimize grid growth and corrosion for long service life;
- ◆ Electrolyte fully absorbed in glass mat "AGM" separators with extremely high micro porosity for greater than 99% recombination efficiency;
- ◆ Patented triple stage unique terminal sealing design to ensure leak free operation;
- ◆ < 2% self-discharge per month at 20°C;
- ◆ Maintenance free without topping-up;
- ◆ Non-hazardous for air/sea/rail/road transportation;
- ◆ 100% Recyclable.

Comparison Between EverExceed and Other Competitors

Critical factor for battery's long life	EverExceed	Competitors	Remarks
Purity of metal lead	#1 original metal lead with purity up to 99.99% made by industry leading refinery	Recycled lead / purity 95%	The impurity of lead results in less mechanical chemical performance and easy corrosion of plates and high self-discharge rate
Plate type	EverExceed [™] pasted flat grid plate	Pasted flat plate	EverExceed [™] pasted flat grid plate technology ensures the longest floating / cycling service life in the industry
Thickness of positive plate	3.2~3.5mm	2.6mm	Thicker plate prolong battery's service life, normal one year design life increased if the plate thickness increased 0.1mm
Alloy of positive plate	Pb-Ca-Sn-Al	Pb-Ca	EverExceed [™] alloy plate is the critical factor of battery long cycling and floating life
Safety valve	With explosion-proof one-way vent system, UL certified	With rubber vent, no explosion-proof vent inside	Safety valve with explosion-proof means more safe for reliable performance and application site, means higher recombination rate for longer life
Electrolyte density	Quantitative electrolyte vacuum filling system to ensure the exact amount of the electrolyte for battery demand, no more or no less. Acid gravity 1.28~1.30kg/l	1.35kg/l	Higher acid density increases the corrosion against the plates. Under higher acid density, initial battery capacity could be initiated higher, but later capacity drop fast, battery service life shortened
Consistency	Complete automatic production line, fully tank formed grid Pb-Ca-Sn-Al plate ensure voltage matching between cells	Handwork production, internal formation, consistency is not good, internal resistance not stable, which cause not good floating service life and performance, especially in battery bank application	Excellent consistency (accordance) is the critical factor for battery's long service life, especially for a large numbers of batteries in series / parallel application. If consistency not good, battery (bank) service life shortened
Capacity	100% surplus capacity guaranteed, EverExceed capacity design factor 105~110% of rated capacity, safe and reliable performance	No surplus capacity available, a lot of competitors adopt 95% capacity standard, capacity decrease fast	Capacity is the critical factor for system applications. If battery capacity not enough, system will not be safe and can't meet the design requirement