

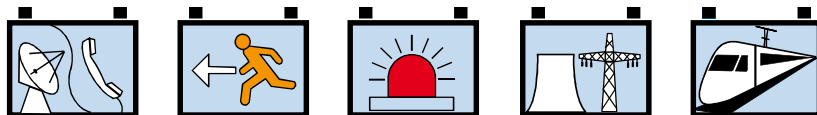


EverExceed[®]
power your applications

Solar Gel Range VRLA



»Premium quality for uninterrupted communication«



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THE MOST RELIABLE GEL BATTERY
FOR RENEWABLE ENERGY

The EverExceed's Solar Gel Range of valve regulated, gelled electrolyte monobloc is designed to offer reliable, maintenance-free power for renewable energy applications where frequent deep cycles are required and minimum maintenance is desirable.

Applicable Operating temperature range:
-40°C (-40°F) to +70°C (+158°F)

Ideal Operating temperature range:
+20°C (+68°F) to +35°C (+95°F)

Storage time from a fully charged condition:
12 months at 25°C / 77°F.
For each 9°C / 15°F rise, reduce the storage time by half.

Benefits

- ◆ Sealed construction eliminates periodic watering, corrosive acid fumes and spills.
- ◆ Electrolyte will not stratify, reduce the corrosion rate and extended service life;
- ◆ Increases durability and deep cycle ability for heavy demand applications;
- ◆ Less than 2% per month self-discharge rate means little deterioration during transport and storage;
- ◆ Fully tank formation ensures voltage matching between cells;
- ◆ Conforms to IEC 60896-21/22 & IEC 61427.

Innovative Features

- ◆ Valve regulated lead acid (VRLA), deep cycle design;
- ◆ Sulfuric acid thixotropic gel, electrolyte in solid gel form will not stratify - greatly extend the deep cycle life, Gel powder from Europe leading supplier to ensure the unique performance of gel battery;
- ◆ Highly porous glass micro-fibre separator, the special design increase the high porosity and anti-corrosion and minimum the internal resistance;
- ◆ Virgin Pure Lead material and thick positive plate technology design for maximum service life - 12 years design life @25°C(77°F);
- ◆ Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.
- ◆ Thick positive plate design and optimized high tin lead calcium plate alloy that ensure plate have excellent anti-corrosion ability;
- ◆ Unique performance against high temperature;
- ◆ Spill-proof and leak-proof;
- ◆ Operates at a low internal pressure;
- ◆ Very low gassing due to internal gas recombination;
- ◆ Flame-arresting one-way pressure relief vent for safety and long life;
- ◆ Rated non-spillable by ICAO, IATA and DOT.

Specifications

Voltage.....	6&12 volts
Plate alloy.....	Lead Calcium Tin
Element, post.....	Silver plated copper female Insert
Container/cover.....	Reinforced ABS (UL 94HB), Flame-retardant UL 94 V-0 on request;
Charge voltage.....	Cycle 2.35 to 2.40; Float 2.25 to 2.30 per cell;
Electrolyte.....	Sulfuric acid thixotropic gel;
Vent.....	Self sealing (2 PSI operation).

Applications

Photovoltaic / Solar · Cathodic protection
Navigation aids · Telecommunications

