

Chemical Engineering: From Materials Engineering to Nanotechnology

April 04-05, 2018 | Miami, USA

Special type of nano gel electrolytes for deep drawing AGM, AGM-VRLA batteries for getting more cycle life compatible with all type of electrical motive power applications

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Neuron developed special type of Nano gelling agent based on poly alkyl/aryl silicone oxides and phosphates compounds. By the addition of 4.5 to 25% of Sulphuric acid concentrations, electrolyte will become immobilised, good ionic movements, high conductivity/ very low inter cell impedance (IR characteristics very low) values, no shedding of active material from the grid plates, no fuming, safe to use end users, easy recombination of H_2 and O_2 at nascent stage, fast charging up to C5 rate can charge for E-motive power applications. After filling of electrolyte with

Neuron-1879 R-SiOX/POR Nano Gel Additives, battery may undergone by regular process manufacturing techniques, after 24 hrs battery start use for regular charge and discharge applications, (R=Alkyl/Aryl substituted).

The above method will enhance the performance of the battery life 60% more cycle power compare with all other battery technology. The above Neuron Nano electrolyte ideally suits all type of AGM or AGM-VRLA, FLA, SMF, Short and tall tubular batteries.

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