

Detail Product of PT Listrikum

Valce Regulated Lead Acid (VRLA)



Spesification

VRLA (Valve Regulated Lead Acid) battery is sealed lead acid battery. It includes gel type and AGM type, both have the following characteristics : - is sealed using special pressure valves and should never be opened. - is completely maintenance-free, needn't topping in service life. - all of its electrolyte are immobilized (absorbed in AGM or fixed in gel structure). - uses recombination reaction to prevent the escape of hydrogen and oxygen gasses which normally lost in flooded lead acid battery. - is non spillable and therefore can be operated in virtually any position (except upside-down). What is the difference between VRLA batteries and traditional wet/flooded batteries? - Wet batteries do not have special pressurized sealing vent, as they do not work on the recombination principle (gasses escaped inside the battery during charging). - It contains liquid electrolyte that can spill / flow and cause corrosion if tipped or punctured. Therefore, they are not air transportable without special containers. - It can only be installed 'upright' and 'acid protection' must be maintained at the same time. - As the wet batteries will lose gasses during charging, it is need maintenance (topping) periodically. - As the electrolyte can flow, 'stratification' will occur and need more overcharge to mix.