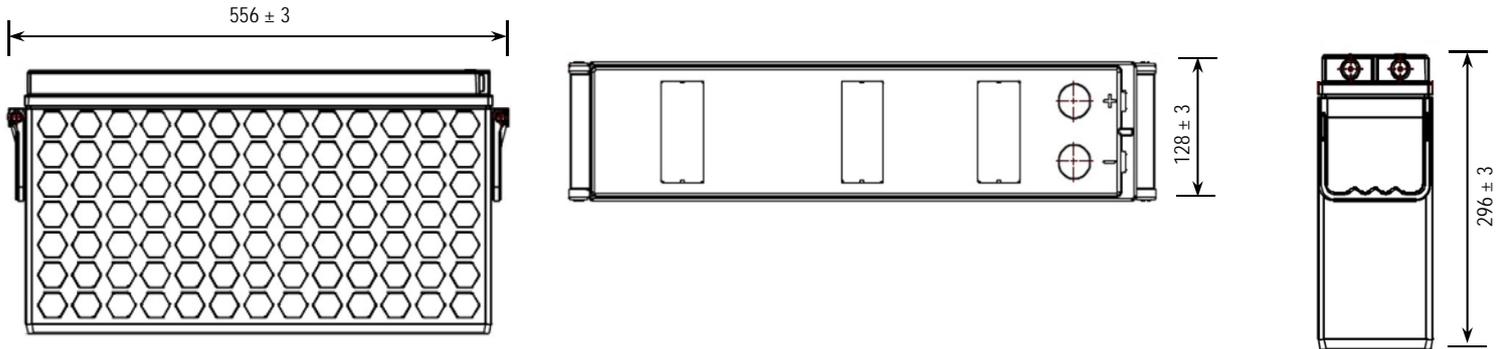


AGM VRLA battery, more commonly known as sealed maintenance free battery, is from a family of lead-acid rechargeable battery which works on Gas Recombination principle that will be controlled by pre-determined vent valve. Can be mounted in any orientation (recommended to use in vertical for better access) based on its leak proof design, and do not require constant maintenance.

Battery Construction:

Positive Plate	Negative Plate	Container & Cover	Separator	Safety Valve	Terminal	Electrolyte
Hybrid Alloy	Lead Calcium Alloy	Flame Retardant Poly Propylene Co-Polymer (FR-PPCP)	Absorbent Glass Mat	Self-Resealing, Pressure Regulated, Explosion proof	M6 Front	Dilute Sulphuric Acid in fully absorbed condition

Dimensions (mm)



Specification

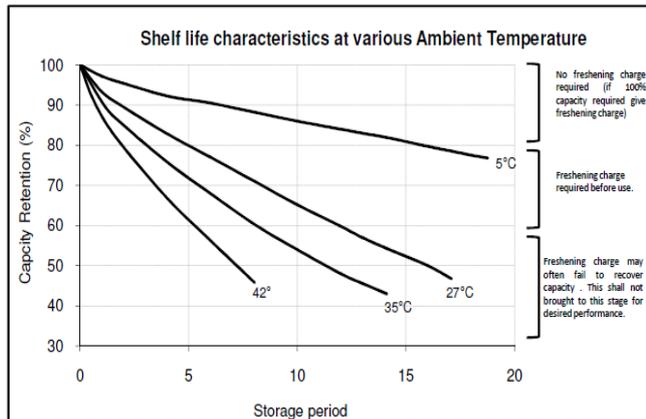
Description	Module level
Nominal Voltage [v]	12
Weight [± 3%]	50.0
Internal Resistance (mΩ)	4.5
Ah Efficiency	>95%
Wh Efficiency	>85%
Operating temp range	-40°C to +60°C
Temperature compensation	±18 mV/°C/Module

Charging and Performance Characteristics

- Nominal Capacity: 150Ah at C10 rate to 1.75ECV at 27°C*
- Charge Method: Constant Potential Current Limit Charge
 - Float Charge..... 13.5V per module @ 27°C
 - Boost Charge..... 13.8V per module @ 27°C
- Maximum charging current..... 45.0 A

Constant Current Discharge rating Amperes per module @ 27 °C*

EMV	Duration					
	30 min	60 min	3 Hrs	5 Hrs	8 Hrs	10 Hrs
10.50	144.2	89.7	39.7	25.8	17.8	15.0
10.80	141.3	87.5	38.4	25.3	17.6	15.0



- The values declared may be subject to change with respect to ongoing continuous product improvement
- ** Batteries may have the initial capacity range between 90 to 95% on the rated capacity when delivered. This will raise to 100% capacity after few charge / discharge cycles as per the IEEE - 485 clause no: 6.2.4 std
- *** High Temperature Operation at 50 to 60 Deg.C shall be for a short limited period only