

## General Features

- 12 years float life at 25°C
- Up to 5 years design life at renewable energy applications
- Wide operating temperature range of -15 to 60°C
- Nano gel electrolyte eliminate the acid stratification and prolong cycle life Round trip efficiency as high as 85%
- Thick positive flat plate with high density paste
- Low self-discharge rate and long shelf life( 1 year at 25°C)
- Excellent deep discharge recovery capability



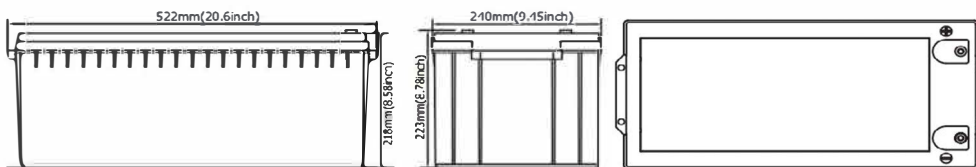
## Construction

- Positive .....Lead dioxide
- Negative .....Lead
- Container.....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Copper
- Separator .....AGM
- Electrolyte .....H2SO4+SiO<sub>2</sub>

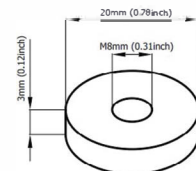
## Application

- Photovoltaic system
- Renewable Energy System
- Electric Utility
- Outdoor control Equipment
- Railroad Utility

Battery Dimensions



Terminal Dimensions



Battery Model	VTG12-180			
Designed Floating Life	12 Years			
Capacity(25°C)	100HR(2.21A,1.80V)	20HR(10.0A,1.75V)	10HR(18.0A,1.75V)	1HR(107.5A,1.60V)
	221.0Ah	200.0Ah	180.0Ah	107.5Ah
Dimensions	Length	Width	Height	Total Height
	522mm(20.6inch)	240mm(9.45inch)	218mm(8.58inch)	223mm(8.78inch)
Approx. Weight	56.0Kg (123.2lbs)			
Internal Resistance	Full charged at 25°C: 0.003 Ohm			
Self Discharge	< 3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(10HR)	40°C	25°C	0°C	-15°C
	109%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15.0V(-30mV/°C), max. Current: 54A		13.6-13.8V(-18mV/°C)	