



AGM and Gel

Range batteries uses the advanced GEL design which combines the best features of AGM and GEL construction into one battery line, and the purity fumed silica to form sulfuric acid thixotropic Gel and fills to the batteries with vacuum to ensure the fully penetration of electrolyte through separators and plates pastes.

This range battery are designed to meet the requirement of frequent cyclic and high temperature application such as boardband, PVs etc.

Application

- Broadband
- Electric Powered Vehicles
- UPS
- Photovoltaic & Solar system

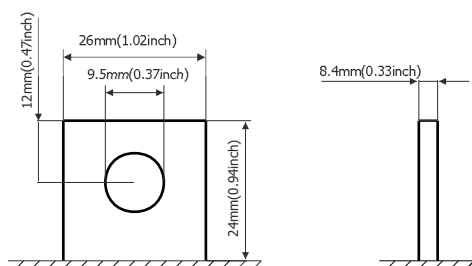
- Electric Powered Toys
- Control System
- Vacuum Cleaners
- Medical Equipments
- Golf Cars and Buggies
- Wheel Chairs

General Features

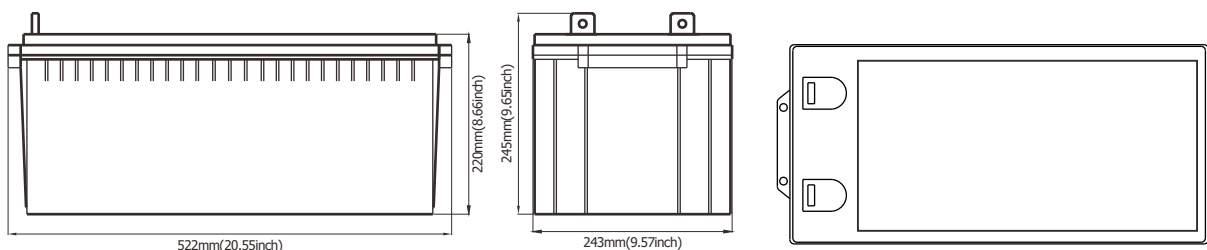
- Ideal for cyclic uses
- Good tolerance to higher temperature applications.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Extra durability and deep cycle ability for heavy demand applications.
- Low self discharge characteristic.
- Good tolerance to higher temperature applications.

Construction

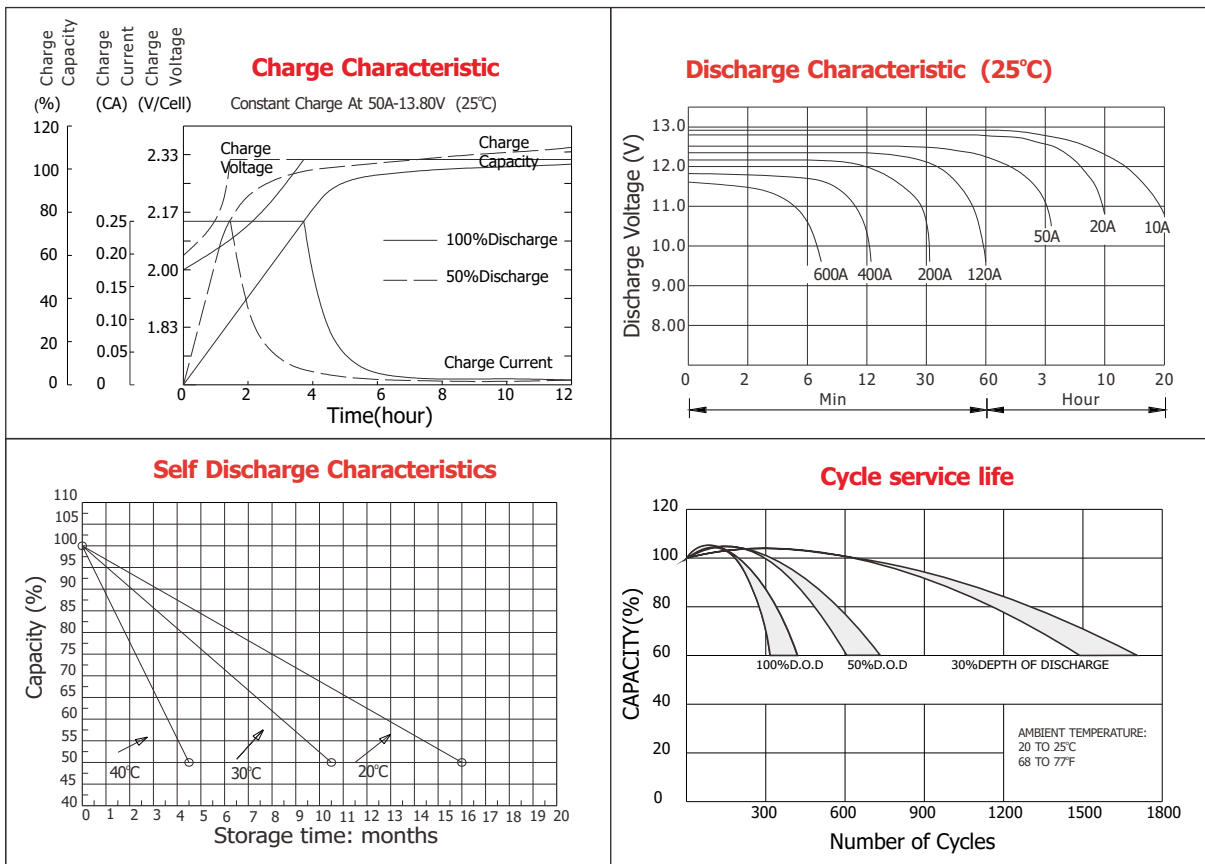
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalCopper
- SeparatorPVC
- Electrolytesulfuric acid
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS thixotropic Gel



Standard Terminal Dimensions
(Optional terminal please check terminal information page)



Battery Model	NP 12-200			
Designed Floating Life	6-8 Years			
Capacity(25°C)	20HR(10.5A,1.75V)	10HR(20A,1.75V)	5HR(34A,1.75V)	1HR(126A,1.75V)
	210Ah	200Ah	170Ah	126Ah
Dimensions	Length	Width	Height	Total Height
	522mm(20.55inch)	243mm(9.57inch)	220mm(8.66inch)	245mm(9.65inch)
Approx. Weight	60Kg (132 lbs)			
Internal Resistance	Full charged at 25°C: 0.004 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 50A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	700.0	480.0	350.0	303.3	210.0	132.00	54.60	35.33	21.21	10.54
1.67V	630.0	438.0	340.0	294.7	204.0	131.80	54.40	35.04	20.89	10.50
1.70V	598.0	422.0	328.0	285.3	200.0	131.40	54.40	35.04	20.73	10.50
1.75V	532.0	390.0	310.0	272.0	196.0	130.00	54.00	34.76	20.37	10.46
1.80V	480.0	362.0	296.0	260.7	190.0	128.40	53.80	34.47	20.02	10.09
1.85V	364.0	298.0	256.0	228.9	174.8	127.00	53.60	34.19	19.66	9.48

Constant power discharge ratings-watts at 25°C

F.V/Time	5MIN	10MIN	15MIN	20MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	1154.0	796.0	620.0	537.3	396.0	260.0	104.8	70.7	42.4	21.1
1.67V	1094.0	786.0	614.0	532.1	388.0	251.4	104.8	70.1	41.8	21.0
1.70V	1022.0	766.0	604.0	525.4	378.0	244.8	104.8	70.1	41.5	21.0
1.75V	952.0	716.0	568.0	498.4	368.0	242.6	103.2	69.5	40.7	20.9
1.80V	854.0	666.0	534.0	470.3	358.0	238.4	101.8	68.9	40.0	20.2
1.85V	684.0	552.0	466.0	416.7	328.0	236.2	101.4	68.4	39.3	19.0