

VRLA Battery

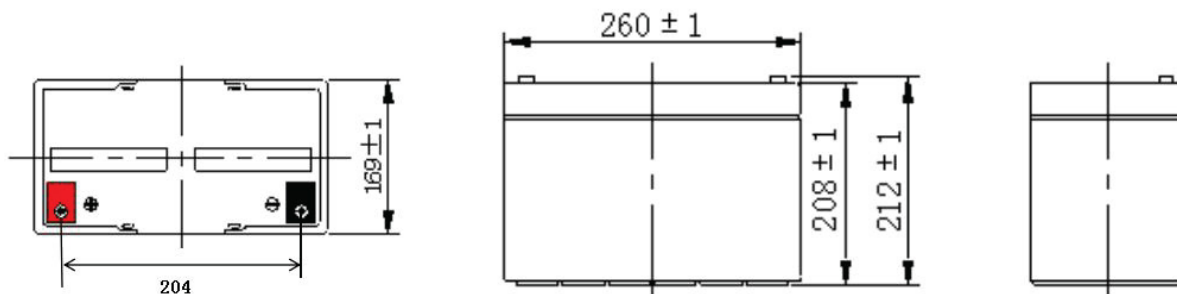
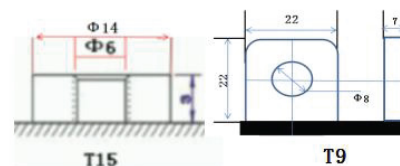
- completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 8 years
- Cycle use 1: More than 240 cycles at 100% DOD
- Cycle use 2: More than 1200 cycles at 30% DOD

Application:

- Telecommunications
- UPS/EPS
- DC Power Supply
- Solar system
- Wind Power System
- Auto Control System

Construction:

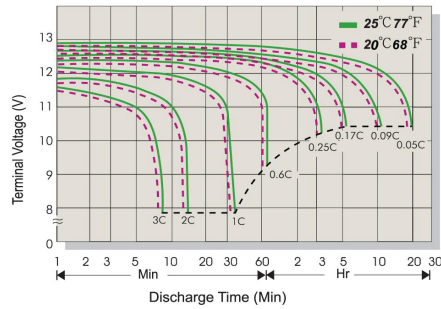
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valveRubber
- TerminalCopper/ Pb
- SeparatorFiber glass
- ElectrolyteSulfuric acid



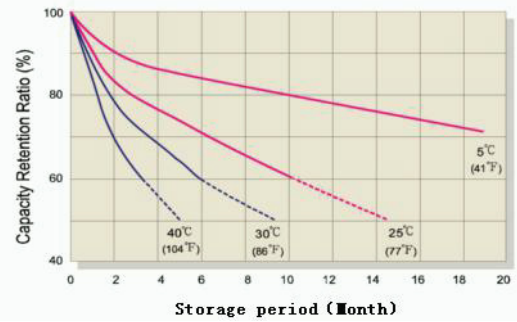
Specification:

Battery Model	12V75AH			
Designer Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(3.8A,10.50V)	10HR(7.5A,10.80V)	1HR(41.25A,9.6V)	CCA
	76AH	75AH	41.25AH	550
Dimensions	Length	Width	Height	Total Height
	260mm (10.2inch)	169mm (6.66inch)	208mm (8.19inch)	233/212mm (9.2/8.4inch)
Approx. Weight	21.5Kg (47.4 lbs)			
Internal Resistance	Full charged at 25°C: ≤5.0mΩ			
Self Discharge	2% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(10HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15.0V(-18mV/°C), max. Current:22.5A		13.5-13.8V (-18mV/°C)	

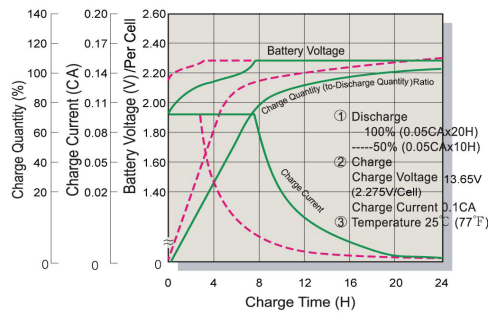
Terminal Voltage (V) and Discharge Time



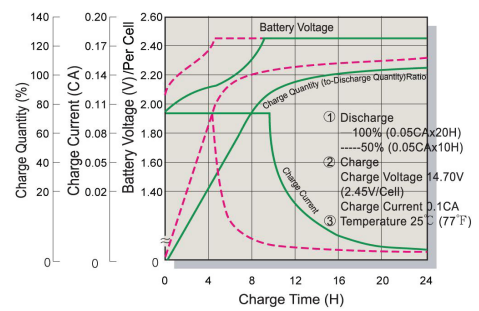
Capacity Retention Characteristic



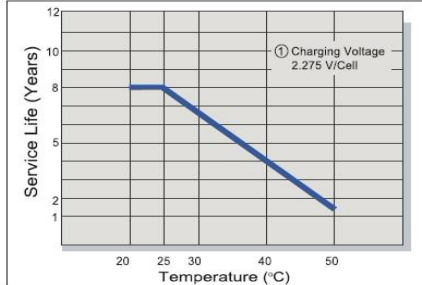
Battery Voltage and Charge Time for Standby Use



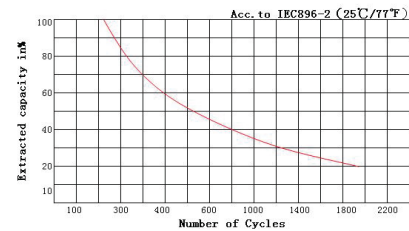
Battery Voltage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life



Constant Current Discharge(CC,Unit:A) at 25°C(77°F)

F.V/Time	5Min	10Min	15Min	27Min	1Hr	2Hr	3Hr	4Hr	5Hr	10Hr	20Hr
9.6V	187.5	150	127.5	75	41.25	26.2	18.85	15.2	12.85	7.56	3.84
10.2V	182.5	145	125.5	73	40.75	26.0	18.75	15.0	12.75	7.54	3.82
10.5V	177.5	140	123.5	71	40.25	25.8	18.65	14.8	12.55	7.52	3.80
10.8V	172.5	135	120.5	69	39.75	25.6	18.45	143.6	12.45	7.50	3.76

Constant Power Discharge (CP,Unit:W) at 25°C(77°F)

F.V/Time	5Min	10Min	15Min	27Min	1Hr	2Hr	3Hr	4Hr	5Hr	10Hr	20Hr
9.6V	1875	1500	1275	750	412	262	188.5	152	128.8	75.6	38.4
10.2V	1825	1450	1255	730	407	260	187.5	150	127.5	75.4	38.2
10.5V	1775	1400	125	710	402	258	186.5	148	125.5	75.2	38.0
10.8V	1725	1350	1205	690	397	256	184.5	146	124.5	75.0	37.6