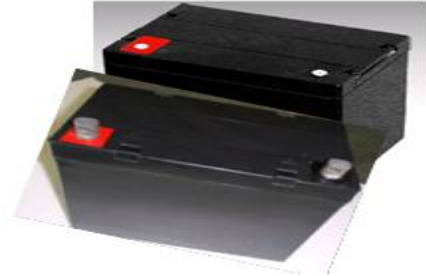


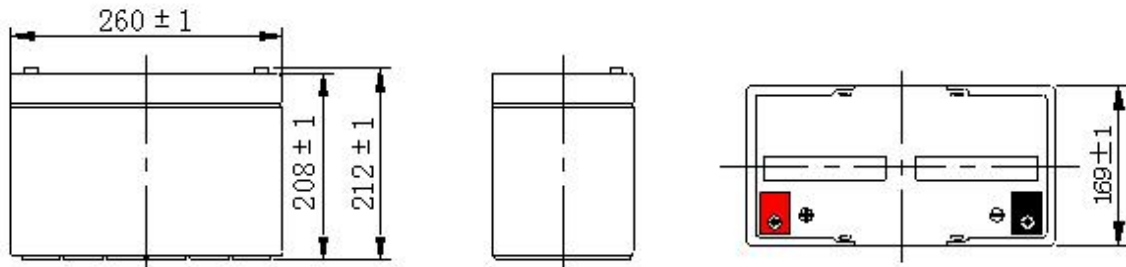
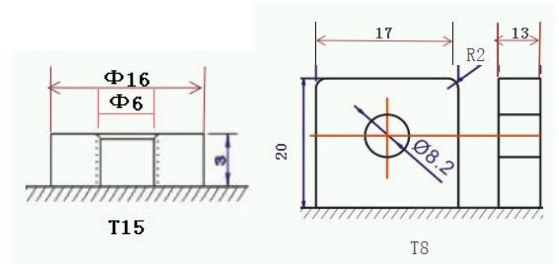
VRLA Battery

- 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 350 cycles at 100% DOD
- Cycle use 2: More than 2200 cycles at 30% DOD



Construction:

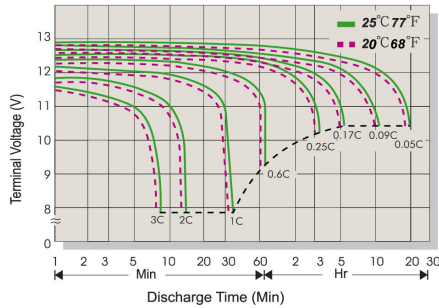
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valveRubber
- TerminalCopper/Pb
- SeparatorFiber glass
- ElectrolyteSulfuric acid



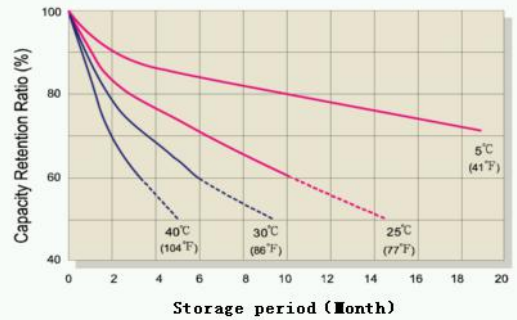
Specification:

Battery Model	NP 75-12 12V75AH			
Designer Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(3.75A, 10.50V)	10HR(7.12A, 10.80V)	1HR(41.25A, 9.6V)	0.25h(127.5A, 9.6V)
	75.0AH	71.25AH	41.25AH	31.87AH
Dimensions	Length	Width	Height	Total Height
	260mm (10.24inch)	167mm 6.57inch)	211mm (8.31inch)	216mm (8.50inch)
Approx. Weight	23Kg (50.7 lbs)			
Internal Resistance	Full charged at 25°C: ≤5mΩ			
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)	

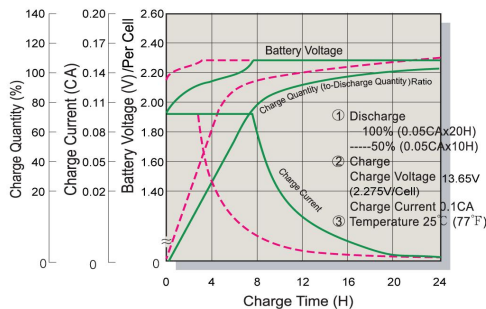
Terminal Voltage (V) and Discharge Time



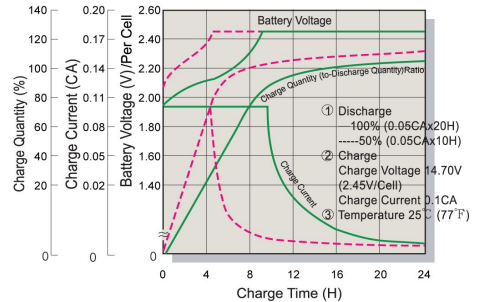
Capacity Retention Characteristic



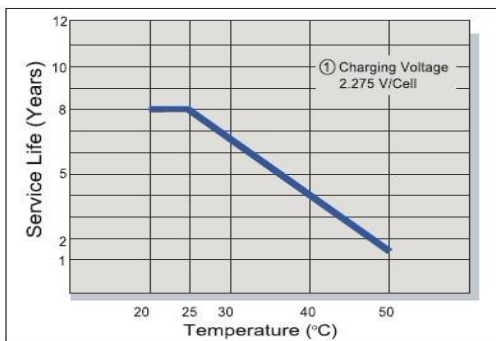
Battery Voltage and Charge Time for Standby Use



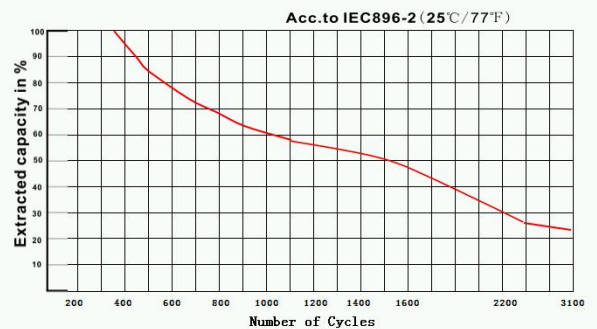
Battery Voltage and Charge Time for Cycle Use



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	6Hr	10Hr	20Hr
1.80V/Cell	187.7	138.2	120.0	72.0	40.25	25.2	18.8	15.84	13.04	12.00	7.50	3.75
1.75V/Cell	206.4	145.2	126.0	73.0	40.65	26.0	19.4	16.00	13.17	12.12	7.55	3.75
1.70V/Cell	230.8	152.1	127.0	74.0	40.85	26.5	19.7	16.16	13.30	12.24	7.60	3.76
1.60V/Cell	255.2	159.0	127.5	75.0	41.25	27.2	20.3	16.32	13.43	12.36	7.65	3.77

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

F.V/Time	5Min	10Min	15Min	27Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	356.6	262.7	228.0	127	71.3	47.9	35.7	30.10	24.78	22.80	15.20	7.60
1.75V/Cell	392.3	275.8	239.4	130	72.6	49.3	36.8	30.40	25.02	23.03	15.35	7.68
1.70V/Cell	438.6	288.9	250.8	132	73.2	50.3	37.5	30.70	25.27	23.26	15.50	7.75
1.60V/Cell	485.0	302.1	262.2	135	74.5	51.7	38.6	31.00	25.52	23.48	15.66	7.83