

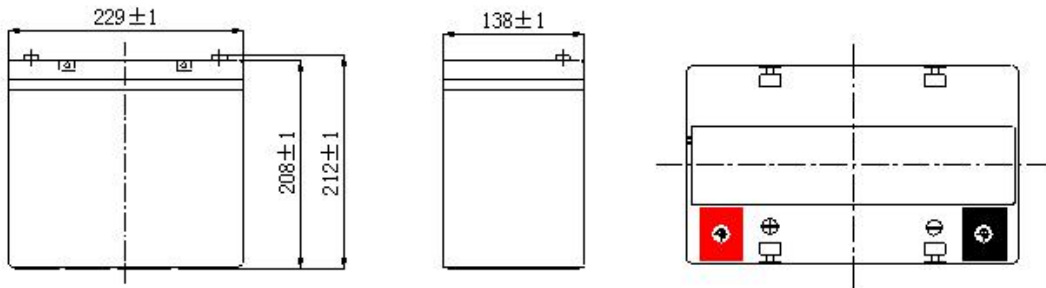
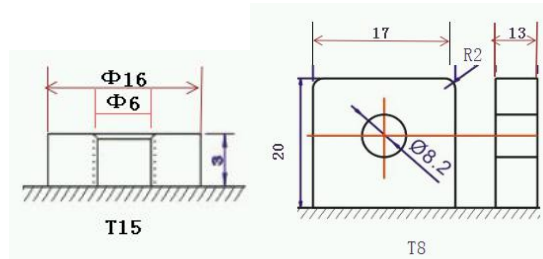
VRLA Battery

- 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:

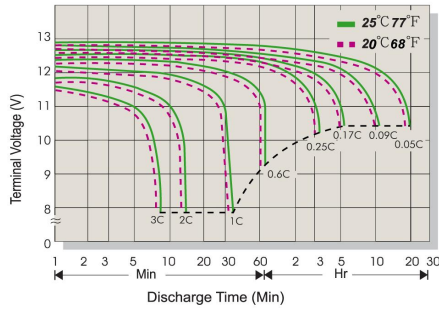
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valveRubber
- TerminalCopper/Pb
- SeparatorFiber glass
- ElectrolyteSulfuric acid



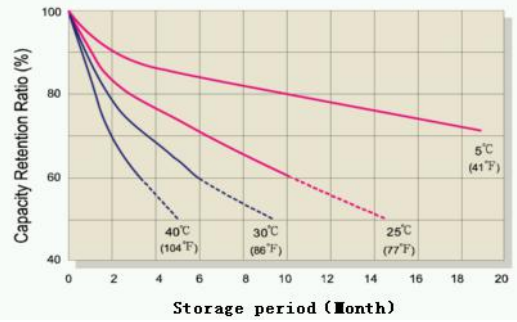
Specification:

Battery Model	NP 55-12 12V55AH			
Designer Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(2.75A,10.5V)	10HR(5.23A,10.5V)	1HR(27.5A,9.6V)	27min(55A,9.6V)
	55AH	52.25AH	27.51AH	24.75AH
Dimensions	Length	Width	Height	Total Height
	229mm (9inch)	138mm (5.46inch)	208mm (8.2inch)	230/211mm (9.1/8.3inch)
Approx. Weight	16Kg (35.31 lbs)			
Internal Resistance	Full charged at 25°C: ≤5.8mΩ			
Self Discharge	2% 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	
	14.4-15.0V(-18mV/°C), max. Current:16.5A		13.5-13.8V (-18mV/°C)	

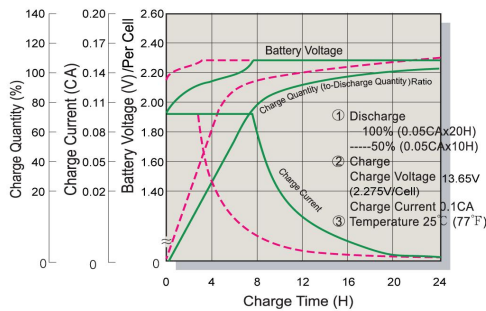
Terminal Voltage (V) and Discharge Time



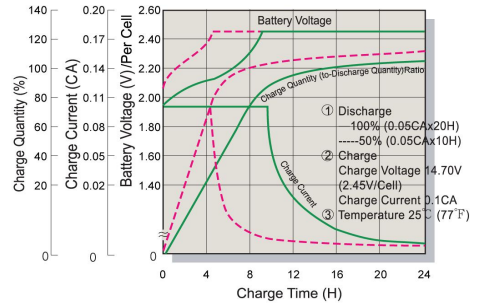
Capacity Retention Characteristic



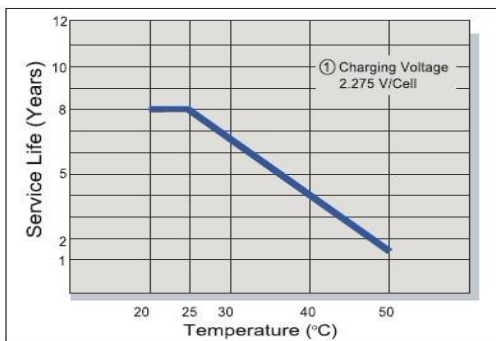
Battery Voltage and Charge Time for Standby Use



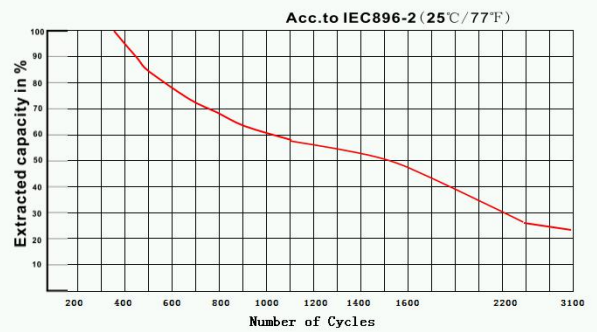
Battery Voltage and Charge Time for Cycle Use



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	8Hr	10Hr	20Hr
9.6V	176	104	88	55	27.5	18.1	13.7	10.7	8.8	6.3	5.27	2.77
10.2V	170	100	84	54	27.0	16.2	13.4	10.5	8.6	6.1	5.25	2.76
10.5V	165	96	80	51	24.0	15.9	13.1	10.2	8.4	5.9	5.23	2.75
10.8V	160	92	76	47	21.0	15.5	12.8	10.0	8.2	5.9	5.20	2.70

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

F.V/Time	5Min	10Min	15Min	27Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
9.6V	1812	1071	906	577	325	190	143	112	92	66	58	32
10.2V	1751	1030	865	567	283	170	140	110	90	64	58	32
10.5V	1699	988	824	535	252	167	137	107	88	62	54	30
10.8V	1648	947	782	496	220	162	134	105	86	60	52	28