



VRLA Battery

NP 200-12

12V200AH

GEL Battery

Gelled Battery

- completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use: up to 10 years
- Cycle use 1: More than 400 cycles at 100% DOD

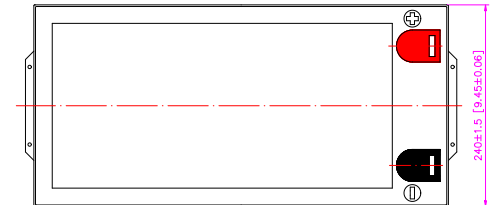
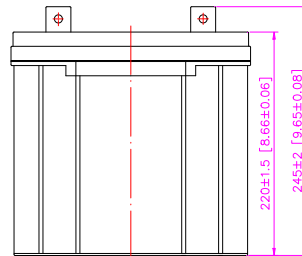
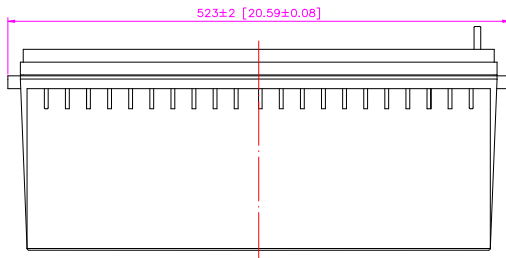
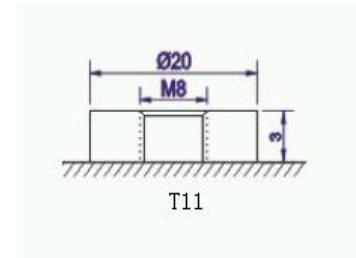


Application:

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

Construction:

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy
- Safety valve Rubber
- TerminalCopper
- SeparatorFiber glass
- Electrolyte Gelled acid

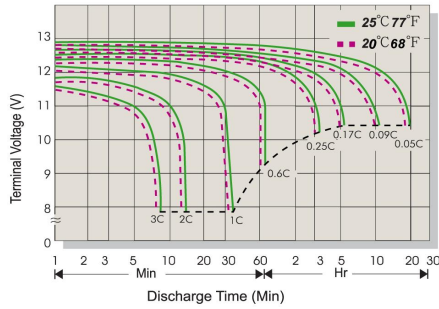


Specification:

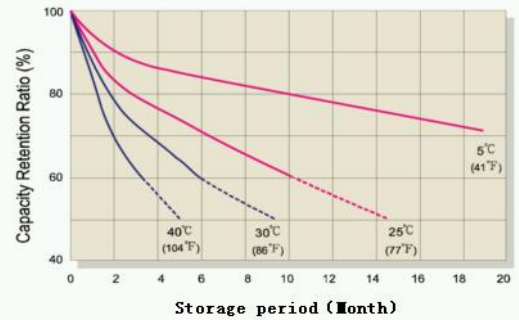
Battery Model	NP 200-12 12V200AH			
Designer Floating Life	Up to 10 Years			
Capacity (25°C)	20HR(10.0A,10.8V)	10HR(19.0A,10.8V)	3HR(50A,10.2V)	1HR(110A,9.6V)
	200AH	190AH	150AH	110AH
Dimensions	Length	Width	Height	Total Height
	523mm (20.59inch)	240mm (9.45inch)	220mm (8.66inch)	245mm (9.64inch)
Approx. Weight	57.0Kg			
Internal Resistance	Full charged at 25°C: ≤3.0mΩ			
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:30.0A		13.5-13.8V (-18mV/°C)	



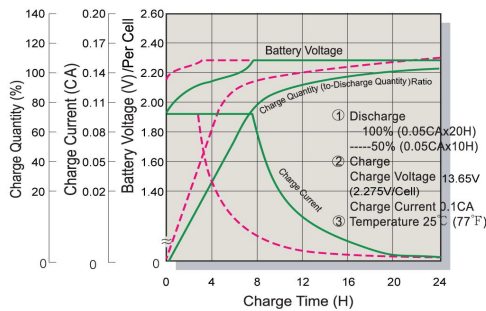
Terminal Voltage (V) and Discharge Time



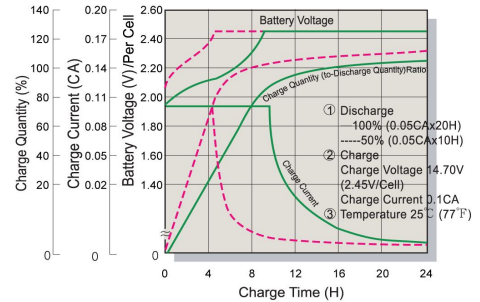
Capacity Retention Characteristic



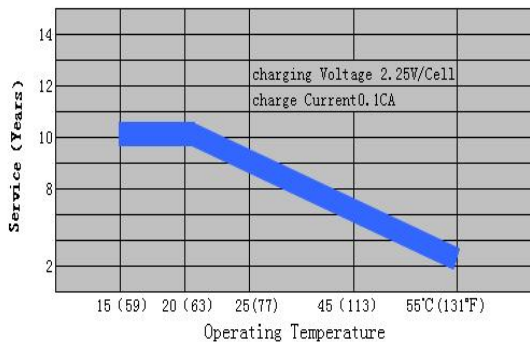
Battery Voltage and Charge Time for



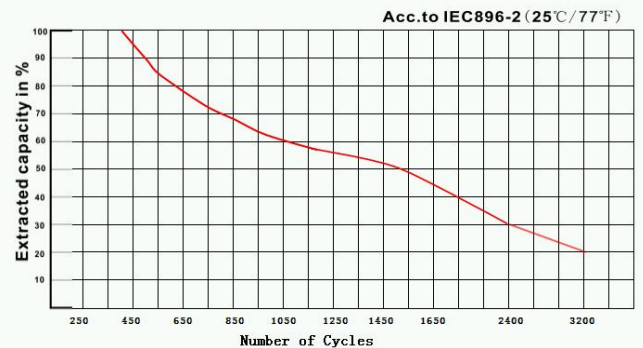
Battery Voltage and Charge Time for Cycle Use



Tickle(or Float) Service Life



Cycle Service Life



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

F.V/Tim e	5Min	10Min	15Min	27Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
9.60V	641	422	340	200	110	70	50.4	40	33	23.4	20.5	106
10.2V	620	381	320	195	105	66.8	50.0	39	32.4	22.8	20.2	10.5
10.5V	600	341	280	190	103	65.2	48.8	38.4	32	22.6	20.0	10.0
10.8V	578	321	260	185	101	63.6	47.6	37.8	31.2	22.0	19.0	10.8

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

F.V/Tim e	5Min	10Min	15Min	27Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
9.60V	6611	4507	3648	2451	1296	769	572	450	375	268	243	132
10.2V	6626	4252	3585	2447	1276	770	579	453	378	267	242	129
10.5V	6554	3875	3198	2348	1265	756	569	449	375	266	239	130
10.8V	6490	3702	3000	2178	1229	745	561	446	369	261	238	128.6