



VRLA Battery

NP 150-12

12V150AH

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 5 years
- Cycle use 1: More than 280 cycles at 100% DOD

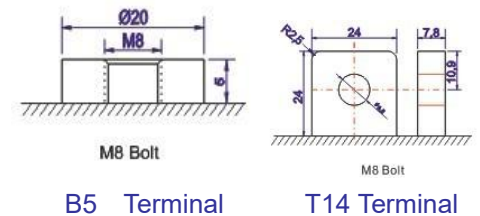


Application:

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

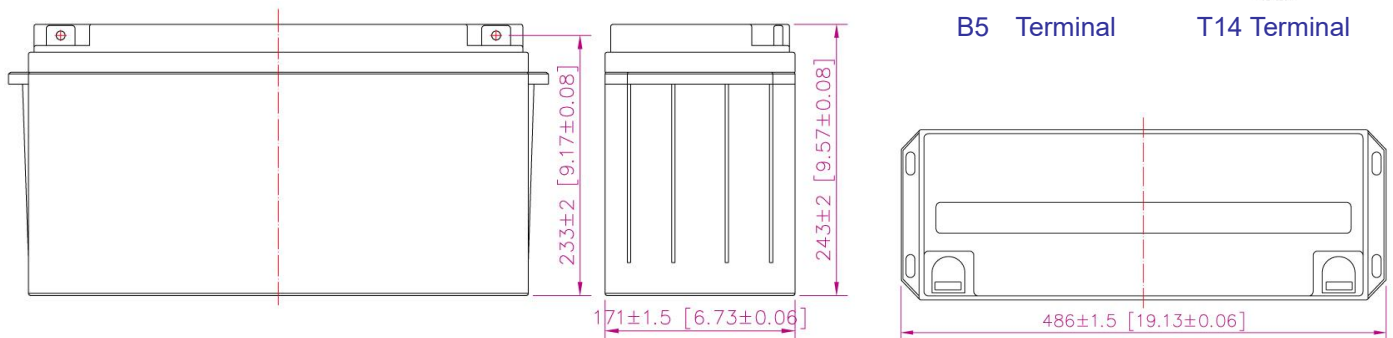
Construction:

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



B5 Terminal

T14 Terminal

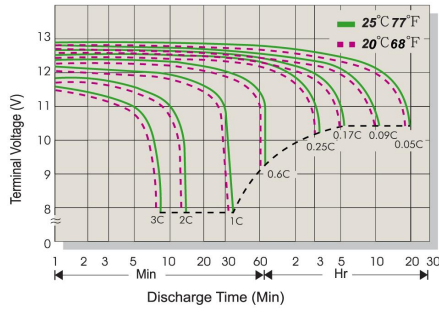


Specification:

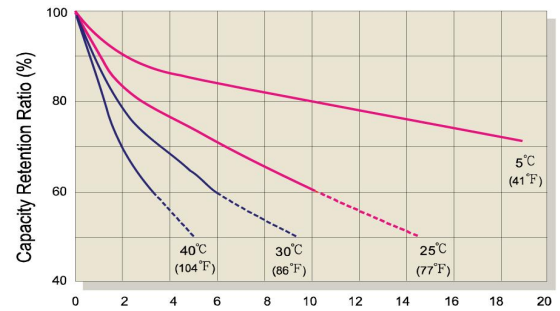
Battery Model	NP 150-12 12V150AH			
Designer Floating Life	Up to 5 Years			
Capacity (25°C)	20HR(7.50A,10.8V)	10HR(15.0A,10.8V)	5HR(25.5A,10.8V)	1HR(83.5A,10.5V)
	150.0AH	150.0AH	127.5AH	83.5AH
Dimensions	Length	Width	Height	Total Height
	486mm (19.13inch)	171mm (6.73inch)	233mm (9.17inch)	243mm (9.57inch)
Approx. Weight	41.00Kg			
Internal Resistance	Full charged at 25°C: ≤6.3mΩ			
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(25oC)	Cycle use		Float use	
	14.4-14.6V(-30mV/°C), max. Current: 37.5A		13.6-13.8V (-20mV/°C)	



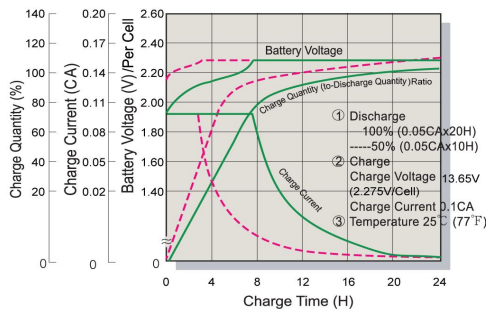
Terminal Voltage (V) and Discharge Time



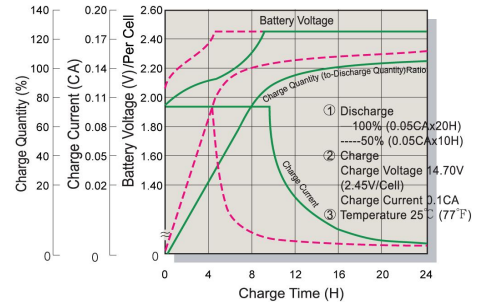
Capacity Retention Characteristic



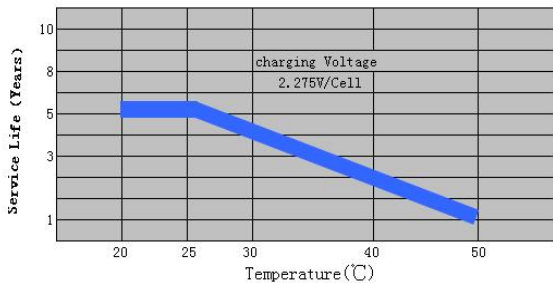
Battery Voltage and Charge Time for Standby



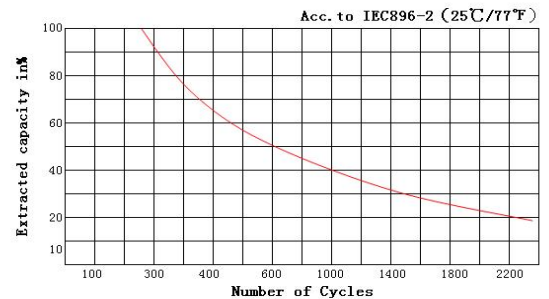
Battery Voltage and Charge Time for Cycle Use



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	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
9.6V	480	317	255	171	90	52.5	38.6	30	24.8	17.55	15.75	8.51
10.2V	465	286	240	163.5	84.6	50.1	37.5	29.3	24.3	17.1	15.45	8.25
10.5V	450	255	210	153	81.9	48.9	36.6	28.8	24	16.95	15.15	8.22
10.8V	434	241	195	141	79.2	47.7	35.7	28.4	23.4	16.5	15	8.1
11.1V	419	226	180	126	76.5	46.5	34.5	27.6	22.8	16.05	14.25	7.65

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

F.V/Time	5Min	10Min	15Min	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	8Hr	10Hr	20Hr
9.6V	4958	3380	2736	1839	972	576	429	338	281	201	182	98.9
10.2V	4969	3189	2689	1835	957	577	434	340	283	200	182	96.8
10.5V	4916	2906	2398	1761	948	567	426	337	281	199	179	86.3
10.8V	4867	2776	2250	1634	922	559	421	335	277	196	178	85
11.1V	4754	2612	2099	1474	900	550	410	329	272	192	172	80