



VRLA Battery

NP 250-12

12V250AH

Deep Cycle Solar Battery

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

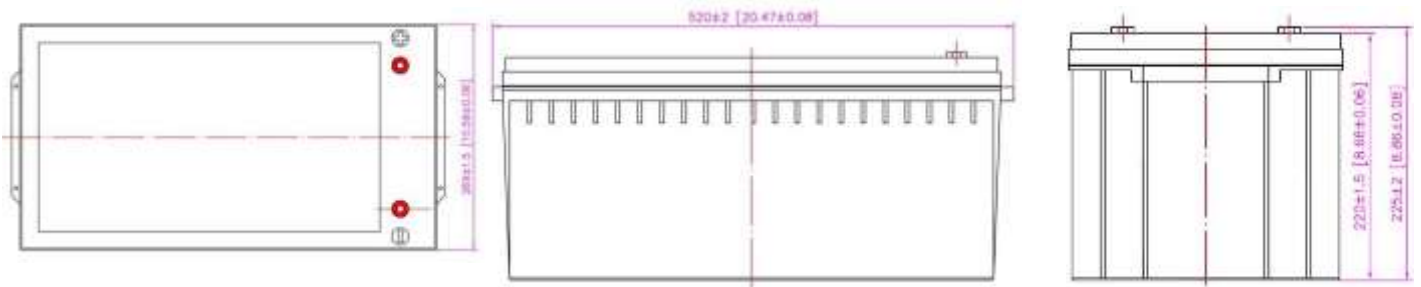
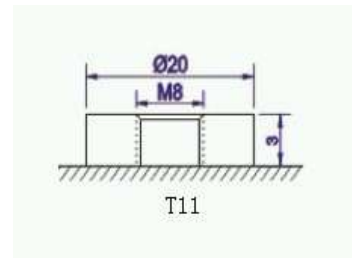


Application:

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

Construction:

- ComponentRaw material
- PositiveLead dioxide
- Negative..... Lead
- ContainerABS
- Cover ABS
- SealantEpoxy
- Safety valve.....Rubber
- Terminal.....Copper
- SeparatorFiber glass
- Electrolyte Sulfuric acid

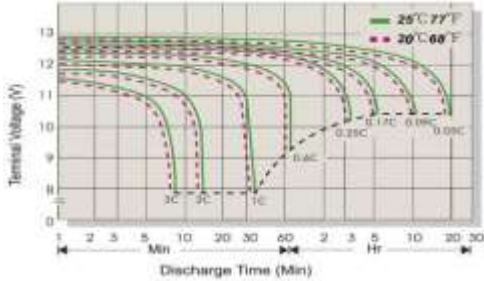


Specification:

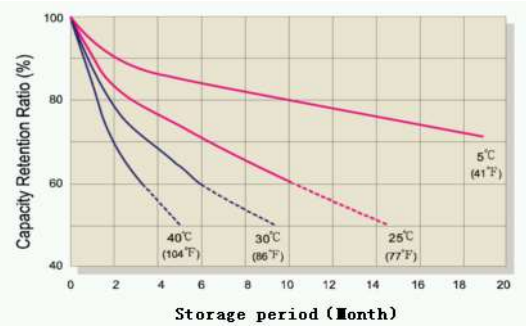
Battery Model	NP 250-12 12V250AH			
Designer Floating Life	Up to 8 Years			
Capacity (25°C)	20HR(12.5A,10.5V)	10HR(24.5A,10.8V)	5HR(42.5A,10.2V)	1HR(137.5A,9.6V)
	250AH	245AH	212.5AH	137.5AH
Dimensions	Length	Width	Height	Total Height
	520mm (20.478inch)	269mm (10.60inch)	220mm (8.66inch)	225mm (8.86inch)
Approx. Weight	69.0Kg (152.1 lbs)			
Internal Resistance	Full charged at 25°C: ≤2.0mΩ			
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:75A		13.5-13.8V (-18mV/°C)	



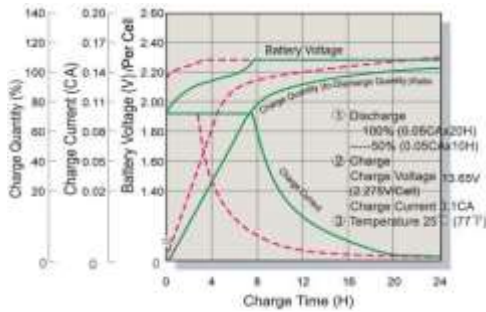
Terminal Voltage (V) and Discharge



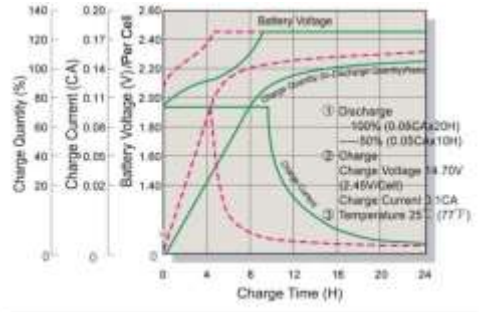
Capacity Retention Characteristic



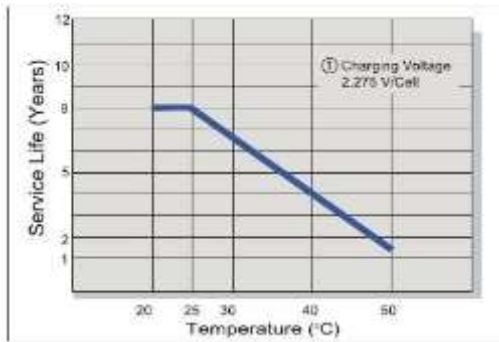
Battery Voltage and Charge Time for Standby Use



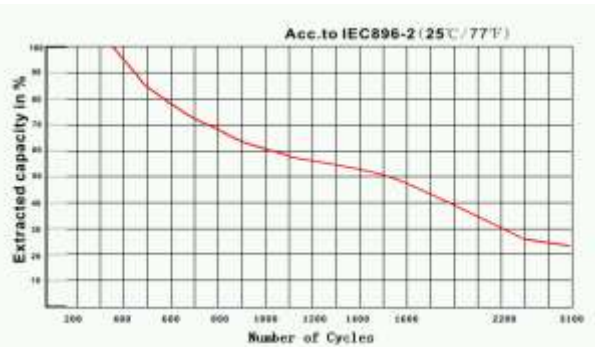
Battery Voltage and Charge Time for Cycle Use



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
10.8V	722	423.4	367.5	221.7	131.1	77.2	57.6	48.51	39.9	36.75	24.50	12.50
10.5V	750	444.5	385.9	230.6	136.3	79.5	59.3	49.00	40.5	37.12	24.75	12.50
10.2V	775	465.7	404.3	241.7	136.9	81.0	62.5	49.48	42.5	37.49	24.99	12.74
9.60V	800	486.9	425.0	250.0	137.5	83.3	62.7	49.97	41.5	37.85	25.24	12.87

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
10.8V	7436	4361	3785	2327	1376	810	604	509	419	385	257	131
10.5V	7725	4578	3974	2421	1431	834	622	514	423	389	259	132
10.2V	7982	4796	4164	2537	1458	850	635	519	427	393	262	133
9.60V	8240	5015	4352	2607	1514	874	653	524	431	397	265	135