



DATASHEET BATTERY 12V 2.3Ah

MODEL: UPS-B212

FEATURES

- 100% before shipment testing, stable and reliable long-term quality
- Patented grid alloy formula and updated manufacturing technique
- Completely sealed and maintenance-free, low self-discharge
- Excellent charging and re-charging acceptance
- Cycle use: More than 260 cycles at 100% DOD
- Floating & standby use: 3-5 years

APPLICATION

- Alarm System
- Cable Television
- Communication Equipment
- Emergency Power System

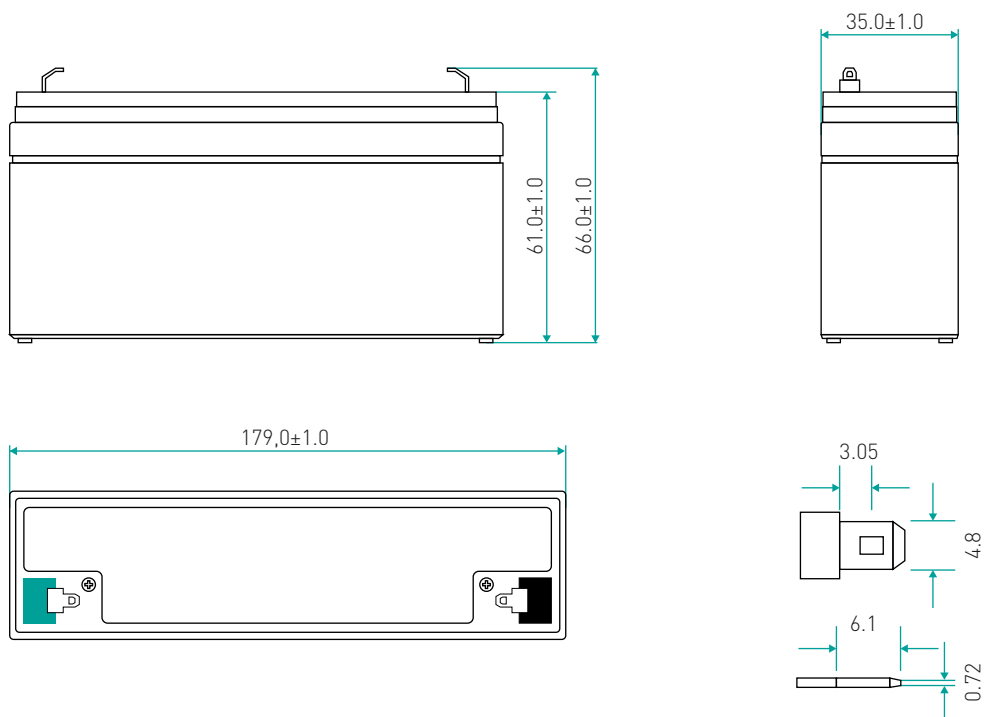
- Security System
- Medical Equipment
- UPS

- Power tools
- Control Equipment
- Toys

CONSTRUCTION

Component	Raw material
Positive	Lead dioxide
Negative	Lead
Container	ABS
Cover	ABS

Sealant	Epoxy
Safety valve	Rubber
Terminal	Copper
Separator	Fiber glass
Electrolyte	Sulfuric acid



SPECIFICATION

Battery	12V 2.3Ah			
Designed Floating Life	3~5 Years			
Capacity (25°C)	20HR(0.115A,10.5V)	10HR(0.218A,10.5V)	5HR(0.391A,10.5V)	1HR(1.330A,10.5V)
	2.30Ah	2.18Ah	1.96Ah	1.33Ah
Dimensions	Lenght	Width	Height	Total Height
	179mm	35mm	61mm	66mm
Approx. Weight	0.92Kg ±3%			
Internal Resistance	Full charged at 25°C:≤125.00 mΩ			
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)	Cyrclce use			FLoad use
	14.4-15.0V(-30mV/°C), max. Current:0.30A			13.5-13.8V (-20mV/°C)

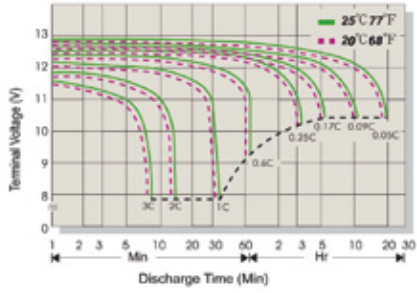
Constant Current Discharge(CC,Unit:A) at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	6.46	4.77	2.33	2.33	1.35	0.78	0.59	0.473	0.406	0.331	0.217	0.113
1.75V/Cell	6.59	4.86	2.37	2.37	1.38	0.79	0.60	0.482	0.414	0.337	0.221	0.115
1.70V/Cell	7.18	5.16	2.47	2.47	1.40	0.80	0.61	0.491	0.421	0.343	0.225	0.117
1.67V/Cell	7.90	5.59	2.61	2.61	1.42	0.81	0.62	0.496	0.426	0.347	0.228	0.118
1.60V/Cell	8.56	5.89	2.72	2.72	1.43	0.82	0.63	0.430	0.430	0.351	0.230	0.120

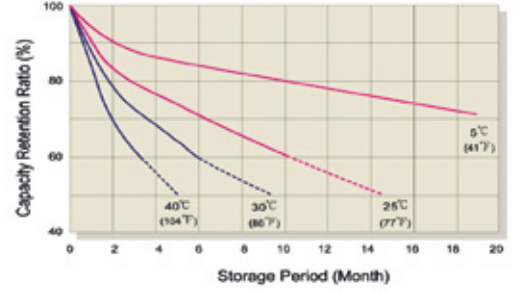
Constant Power Discharge (CP,Unit:W) at 25°C(77°F)

F.V/Time	5min	10min	15min	30min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.80V/Cell	12.61	9.31	6.75	4.54	2.64	1.51	1.16	0.92	0.79	0.65	0.42	0.22
1.75V/Cell	12.84	9.49	6.88	4.63	2.69	1.54	1.18	0.94	0.81	0.66	0.43	0.22
1.70V/Cell	14.00	10.05	7.29	4.81	2.73	1.57	1.20	0.96	0.82	0.67	0.44	0.23
1.67V/Cell	15.41	10.91	7.91	5.08	2.76	1.58	1.21	0.97	0.83	0.68	0.44	0.23
1.60V/Cell	16.70	11.48	8.32	5.30	2.79	1.60	1.22	0.98	0.84	0.68	0.45	0.23

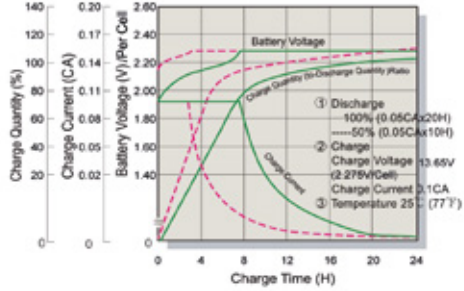
Terminal Voltage (V) and Discharge Time



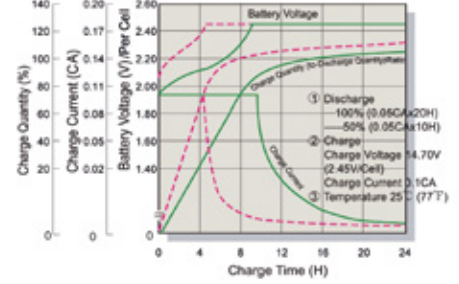
Capacity Retention Characteristic



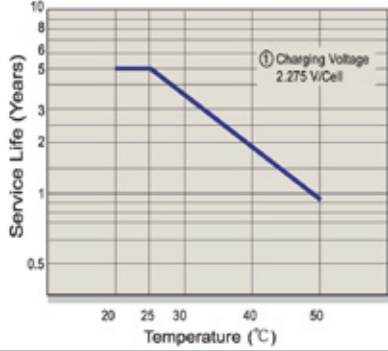
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Tickle (or Float) Service Life



Cycle Service Life

