

- 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

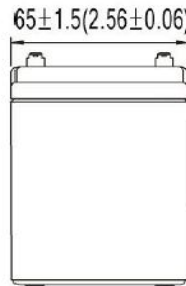
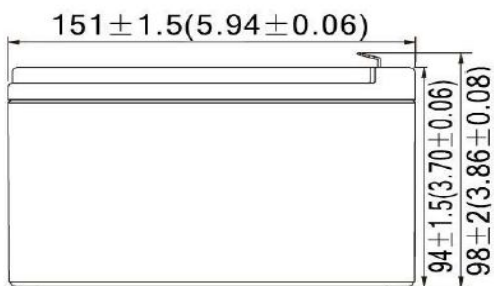
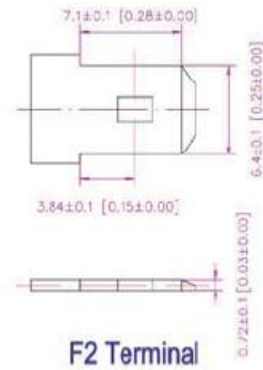


Application:

- *Alarm Systems
- *Cable Televisions
- *Communication Equipments
- *Emergency power systems
- *Security Systems
- *Medical Equipment
- *UPS
- *Power Tools
- *Control Equipment
- *Toys

Construction:

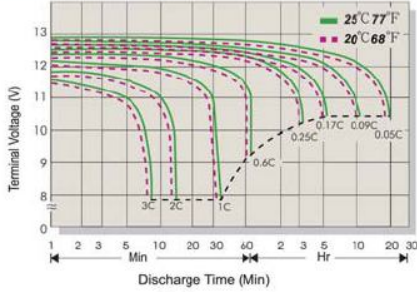
- | | | | |
|-----------------|--------------|-------------------|---------------|
| Component | Raw material | Sealant | Epoxy |
| Positive | Lead dioxide | Safety Valve | Rubber |
| Negative | Lead | Terminal | Copper |
| Container | ABS | Separator | Fiber glass |
| Cover | ABS | Electrolyte | Sulfuric acid |



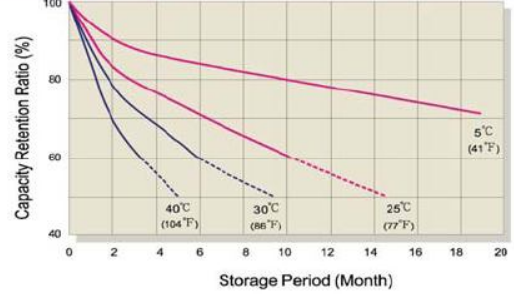
Battery Model	YD 12-7			
Designed Floating Life	3-5 Years			
Capacity (25°C)	20 HR (0.35 A, 10.5 V)	10 HR (0.66 A, 10.5 V)	5 HR (1.19 A, 10.5 V)	1 HR (4.55 A, 10.5 V)
	7.00 AH	6.65 AH	5.95 AH	4.55 AH
Dimensions	Length	Width	Height	Total Height
	151 mm	65 mm	94 mm	98 mm
Approx Weight	2.15 kg ± %3			
Internal Resistance	Full charged @25°C, equal or less than 32 mOhm			
Self Discharge	%3 capacity declined per month @25°C			
Capacity Affected By Temperature (20 HR)	40°C	25°C	0°C	-15°C
	%102	%100	%85	%65
Charge Voltage (25°C)	Cycle Use		Float Use	
	14.4-15.0 V (-30 m V/°C), maks. current: 2.16 A		13.6 - 13.8 V (-20 m V/°C)	



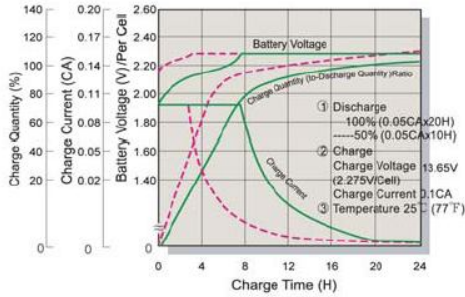
Terminal Voltage (V) and Discharge Time



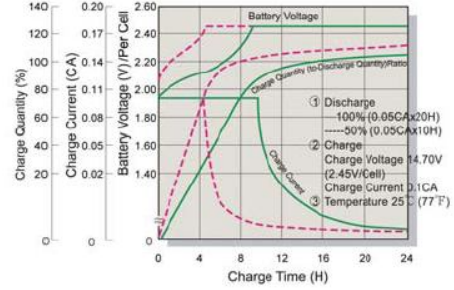
Capacity Retention Characteristic



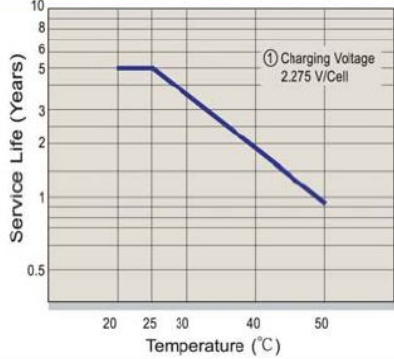
Battery Voltage and Charge Time for Standby Use



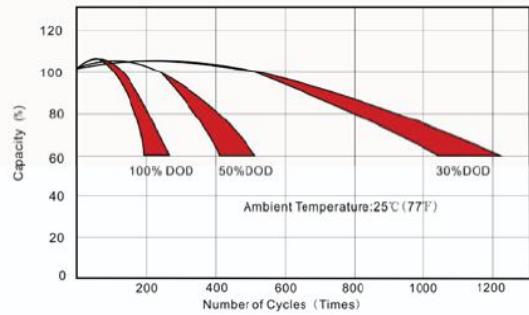
Battery Voltage and Charge Time for Cycle Use



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	30Min	1Hr	2Hr	3Hr	4Hr	5Hr	6Hr	10Hr	20Hr
1.85V/Cell	19.86	14.67	10.64	7.16	4.15	2.38	1.82	1.454	1.248	1.017	0.667	0.347
1.80V/Cell	20.24	14.95	10.84	7.30	4.23	2.43	1.85	1.481	1.272	1.037	0.680	0.353
1.75V/Cell	20.62	15.23	11.04	7.43	4.31	2.47	1.89	1.509	1.296	1.056	0.693	0.360
1.70V/Cell	22.47	16.14	11.71	7.73	4.39	2.52	1.92	1.536	1.319	1.075	0.705	0.366
1.67V/Cell	24.74	17.51	12.70	8.16	4.44	2.54	1.94	1.552	1.333	1.086	0.712	0.370
1.60V/Cell	26.80	18.43	13.36	8.51	4.48	2.57	1.96	1.569	1.347	1.098	0.720	0.374

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
1.85V/Cell	38.72	28.60	20.74	13.96	8.10	4.64	3.55	2.83	2.43	1.98	1.30	0.68
1.80V/Cell	39.46	29.15	21.14	14.23	8.26	4.73	3.62	2.89	2.48	2.02	1.33	0.69
1.75V/Cell	40.20	29.69	21.53	14.49	8.41	4.82	3.68	2.94	2.53	2.06	1.35	0.70
1.70V/Cell	43.82	31.48	22.83	15.07	8.56	4.90	3.75	2.99	2.57	2.10	1.37	0.71
1.67V/Cell	48.24	34.15	24.76	15.91	8.65	4.96	3.79	3.03	2.60	2.12	1.39	0.72
1.60V/Cell	52.26	35.93	26.06	16.60	8.74	5.01	3.83	3.06	2.63	2.14	1.40	0.73