

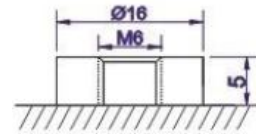
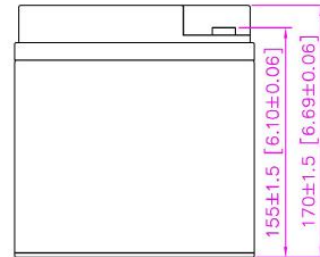
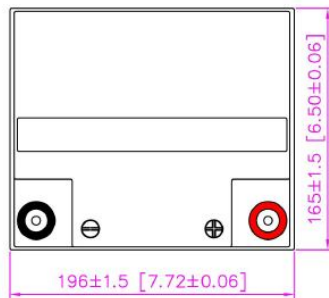
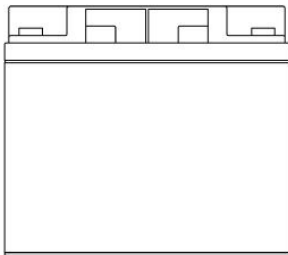
- High performance, completely maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula and updated manufacturing technique
- Floating & standby use: up to 8 years
- Cycle use 1: Up to 260 cycles at 100% DOD
- Cycle use 2: Up to 500 cycles at 50% DOD

Application:

- *Telecommunications
- *Uninterruptable Power Supply
- *Electric Power System (EPS)
- *Emergency backup power supply
- *Alarm and security system
- *Communication power supply
- *DC power supply
- *Auto control system

Construction:

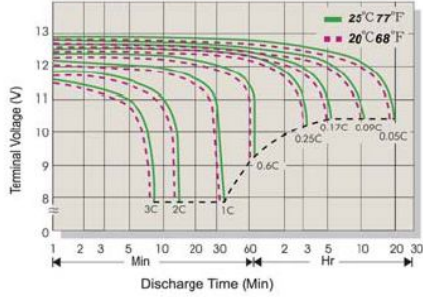
Component	Raw material	Sealant	Epoxy
Positive	Lead dioxide	Safety Valve	Rubber
Negative	Lead	Terminal	Copper/Pb
Container	ABS	Separator	Fiber glass
Cover	ABS	Electrolyte	Sulfuric acid



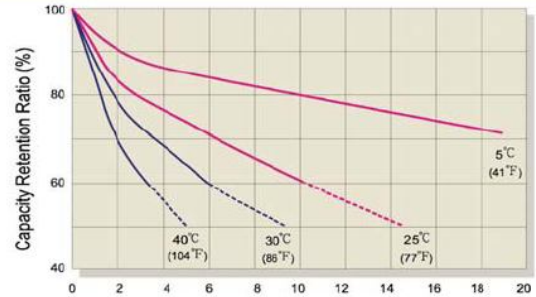
M6 Bolt
B4 Terminal

Battery Model	YD 12-40			
Designed Floating Life	Up to 8 years @20-25°C ambient temperature			
Capacity (25°C)	20 HR (2.1 A, 10.8 V)	10 HR (4.0 A, 10.8 V)	5 HR (7.25 A, 10.5 V)	1 HR (24.29 A, 10.5 V)
	42.00 AH	40.00 AH	36.25 AH	24.29 AH
Dimensions	Length	Width	Height	Total Height
	196 mm	165 mm	155 mm	170 mm
Approx Weight	12.00 Kg ± %3			
Internal Resistance	Full charged @25°C, equal or less than 10.8 mOhm			
Self Discharge	%2 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. Akım: 9.5 A		13.50 - 13.80 V (-20 m V/°C)	

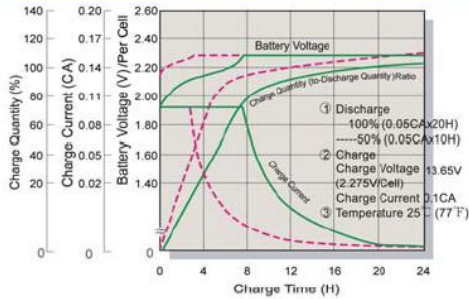
Terminal Voltage (V) and Discharge Time



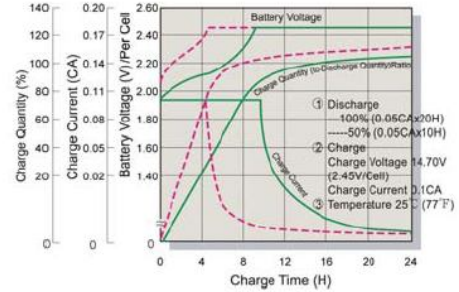
Capacity Retention Characteristic



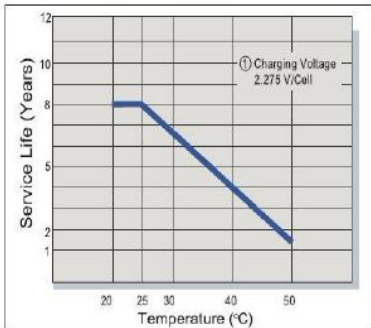
Battery Voltage and Charge Time for Standby Use



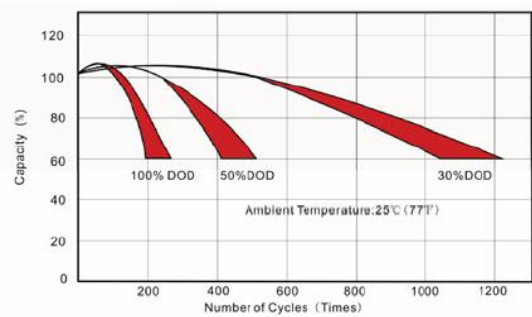
Battery Voltage and Charge Time for Cycle Use



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	130.59	76.30	59.55	38.14	23.39	13.52	10.38	8.53	6.99	5.70	3.73	1.94
1.80V/Cell	133.09	77.75	60.69	38.87	23.84	13.78	10.58	8.69	7.12	5.81	3.80	1.98
1.75V/Cell	135.58	79.21	61.82	39.60	24.29	14.04	10.78	8.85	7.25	5.91	3.88	2.02
1.70V/Cell	147.78	83.96	65.53	41.18	24.71	14.29	10.97	9.01	7.38	6.02	3.94	2.05
1.67V/Cell	162.70	91.09	71.10	43.48	24.98	14.44	11.09	9.11	7.46	6.08	3.99	2.07

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	254.65	148.78	116.12	74.38	45.62	26.37	20.25	16.63	13.63	11.11	7.28	3.79
1.80V/Cell	259.52	151.62	118.34	75.80	46.49	26.87	20.64	16.95	13.89	11.32	7.41	3.86
1.75V/Cell	264.38	154.46	120.56	77.22	47.36	27.38	21.02	17.26	14.15	11.53	7.56	3.93
1.70V/Cell	288.18	163.73	127.79	80.30	48.19	27.86	21.39	17.57	14.40	11.74	7.69	4.00
1.67V/Cell	317.26	177.63	138.64	84.79	48.71	28.16	21.62	17.76	14.55	11.86	7.77	4.04