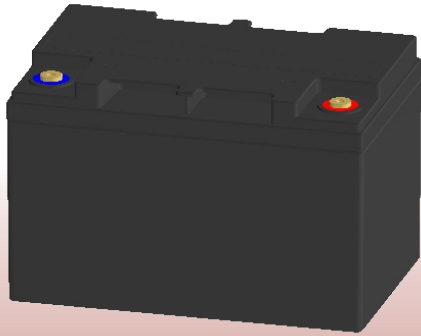
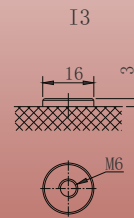
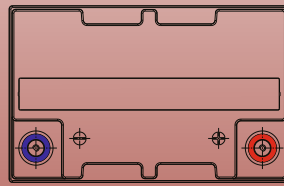
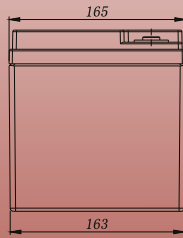
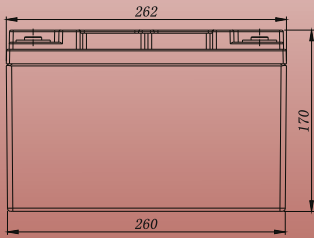




- ✂ 10% High Energy Density
- ✂ 15% Extra Capacity Performance
- ✂ 50% Low Corrosion
- ✂ 0% Sulfation
- ✂ ABS Box UL94-HB

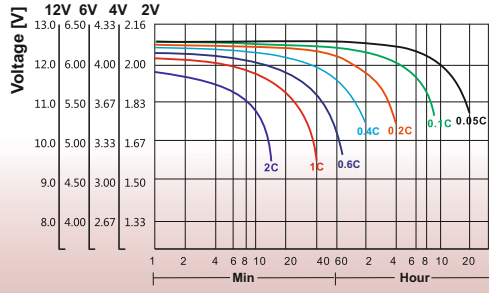
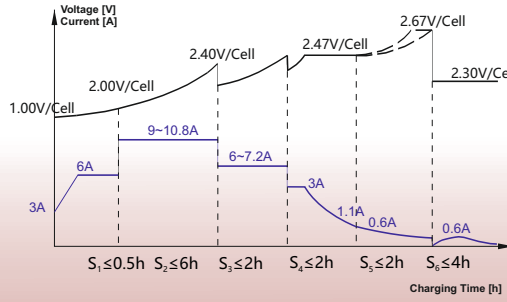
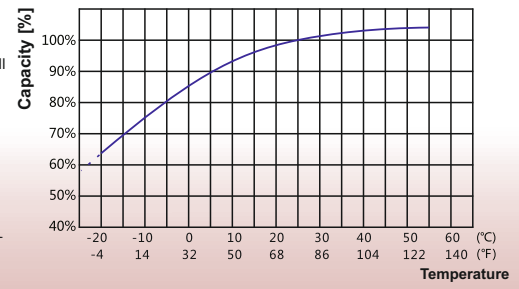
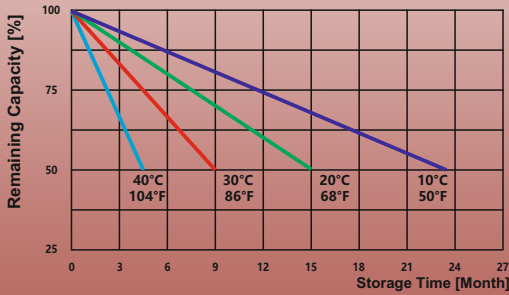
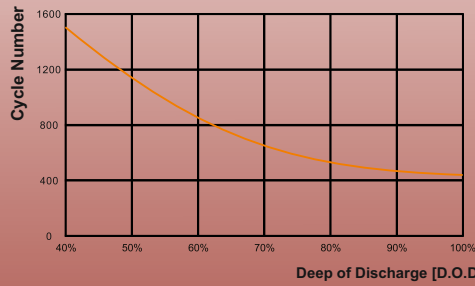
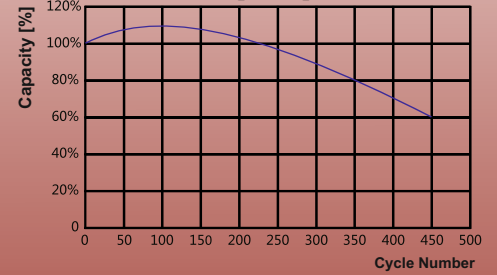
- E-Scooter**
- E-Motocycle**
- Snow Scooter**
- Automatic Guided Vehicles (AGV)**
- Cleaning Machines**
- E-Wheel Chairs**



Battery Code	YGD12-75[AEV]
Stock Code	00750001A
Length [mm]	262
Width [mm]	165
Height [mm]	170
Total Height [mm]	170
Tolerance	[<100 mm = ± 2mm] [>100 mm = ± 3mm]
Weight [Kg ±%3]	20,0
Current Limit	0.2≤C ₃ A
Self Discharge [25°C]	3% / Month

C20 [Ah, 25°C] [3.82A - 10.5V]		76.4A		
C10 [Ah, 25°C] [6.61A - 10.8V]		66.1A		
C5 [Ah, 25°C] [12.8A - 10.5V]		64.0A		
C3 [Ah, 25°C] [20.0A - 10.5V]		60.0A		
C1 [Ah, 25°C] [53.6A - 9.60V]		53.6A		
Operating Temperature	Discharge	Charge	Storage	Optimum
	-15°C ~ +50°C	-0°C ~ +40°C	-15°C ~ +40°C	25 ±3 °C
Temperature - Capacity Relationship	40°C	25°C	0°C	-15°C
	106%	100%	85%	65%
Charge Limit - Cycle Use		14.75 V ~ 14.85 V [-24mV/°C]		
Charge Limit - Float Use		13.7 V ~ 13.9 V [-18mV/°C]		



Discharge Characteristics [25°C]

Charge Characteristics [25°C]

Temperature - Capacity [25°C]

Time - Self Discharge

Deep of Discharge - Cycle Life

Cycle Life - Remaining Capacity [25°C]

Constant Current - Discharge Table [25°C,A]

Cutting Voltage [V/Cell]	Minute		Hour								
	30	45	1	2	3	4	5	6	8	10	20
1.85	80.4	57.3	45.9	26.3	26.3	14.68	12.00	10.21	7.87	6.45	3.63
1.80	83.3	59.0	47.3	27.2	27.2	15.11	12.47	10.59	8.10	6.61	3.75
1.75	85.5	61.2	49.1	28.9	28.9	15.66	12.75	10.81	8.33	6.75	3.82
1.70	87.6	62.8	50.8	29.3	29.3	16.20	13.28	11.34	8.53	6.92	3.91
1.67	89.4	64.8	52.6	29.7	29.7	16.35	13.58	11.40	8.72	7.04	3.94
1.60	91.8	66.7	53.6	30.6	30.6	16.84	13.87	11.74	8.93	7.28	3.97

Constant Power - Discharge Table [25°C,W/Cell]

Cutting Voltage [V/Cell]	Minute		Hour								
	30	45	1	2	3	4	5	6	8	10	20
1.85	157.0	112.7	90.8	52.3	37.3	29.6	24.2	20.6	15.95	13.08	7.38
1.80	162.0	115.6	93.2	53.9	38.5	30.3	25.0	21.3	16.35	13.37	7.60
1.75	165.7	119.6	96.4	57.2	39.8	31.3	25.5	21.7	16.75	13.59	7.72
1.70	168.9	121.9	99.2	57.7	40.5	32.1	26.4	22.6	17.06	13.87	7.86
1.67	171.0	124.8	102.1	58.0	40.7	32.3	26.8	22.6	17.29	14.01	7.88
1.60	174.1	127.6	103.1	59.4	41.8	32.9	27.2	23.1	17.60	14.36	7.92

Yiğit Akü A.Ş.

Organize Sanayi Bölgesi Türkmenistan Caddesi No:27 Sincan / ANKARA / TURKEY

Tel: +90 312 267 02 80 – Faks: +90 312 267 08 61 – 267 40 00

endüstriyel@yigitaku.com – www.yigitaku.com