










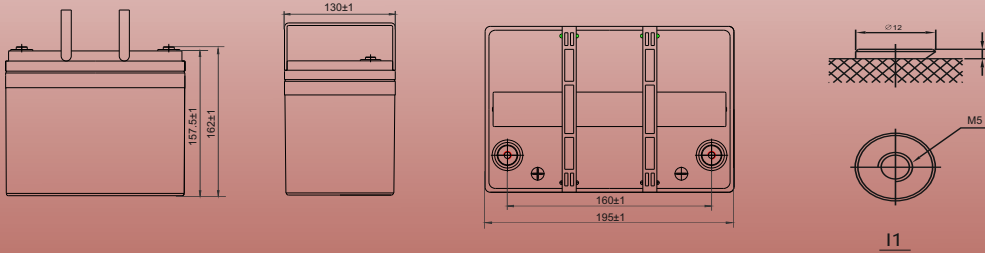


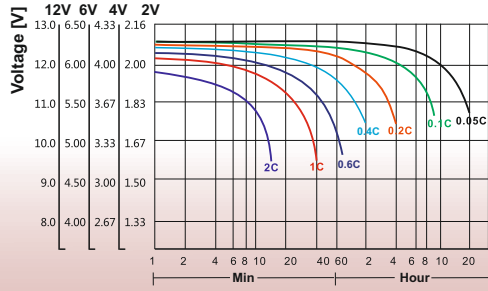
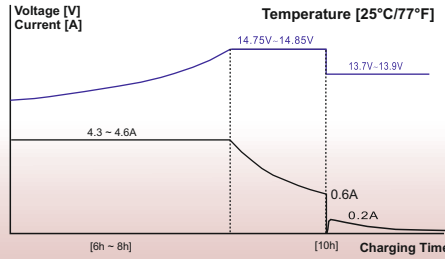
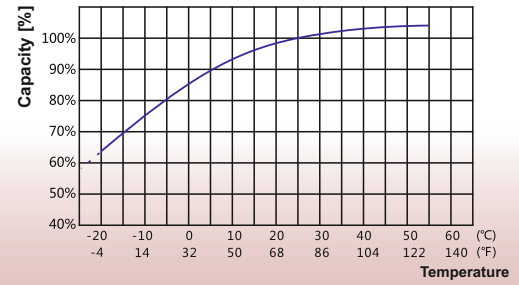
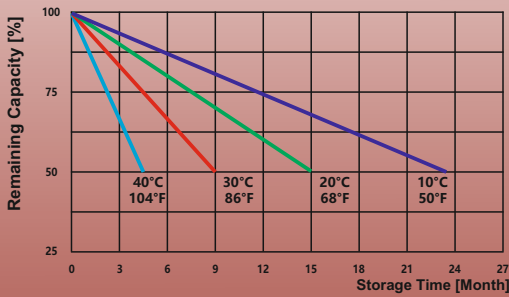
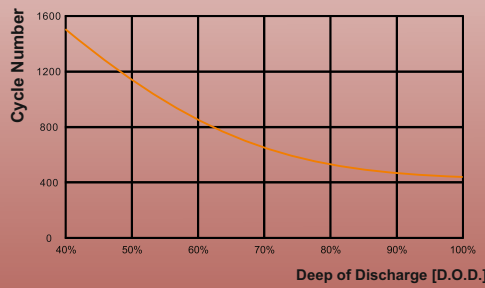
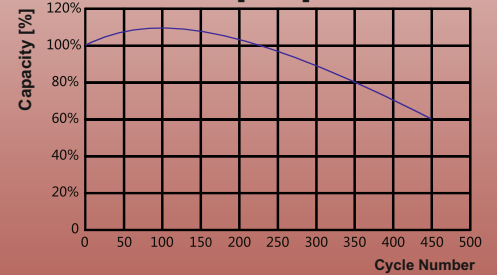
-  **10% High Energy Density**
-  **15% Extra Capacity Performance**
-  **50% Low Corrosion**
-  **0% Sulfation**
-  **ABS Box UL94-HB**

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



Battery Code	YGD12-42[APW-3]	C20 [Ah, 25°C] [2.10A - 10.8V]	42.0A			
Stock Code	00420001A	C10 [Ah, 25°C] [4.00A - 10.5V]	40.0A			
Length [mm]	195	C5 [Ah, 25°C] [7.40A - 10.5V]	37.0A			
Width [mm]	130	C3 [Ah, 25°C] [11.3A - 10.5V]	34.0A			
Height [mm]	157,5	C1 [Ah, 25°C] [29.3A - 9.60V]	29.3A			
Total Height [mm]	162	Operating Temperature	Discharge	Charge	Storage	Optimum
Tolerance	[<100 mm = ± 2mm] [>100 mm = ± 3mm]		-15°C ~ +50°C	-0°C ~ +40°C	-15°C ~ +40°C	25 ±3 °C
Weight [Kg ±%3]	10,8	Temperature - Capacity Relationship	40°C	25°C	0°C	-15°C
Current Limit	0.2≤C:A		106%	100%	85%	65%
Self Discharge (25°C)	3% / Month	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	44.0	31.3	25.1	14.4	10.5	8.67	6.96	5.92	4.57	3.73	1.98
1.80	45.5	32.3	25.9	14.8	11.0	8.92	7.23	6.14	4.70	3.82	2.10
1.75	46.7	33.5	26.8	15.8	11.3	9.24	7.40	6.27	4.83	4.00	2.12
1.70	47.9	34.3	27.8	16.0	12.3	9.56	7.70	6.58	4.95	4.03	2.14
1.67	48.9	35.4	28.7	16.2	12.4	9.65	7.88	6.61	5.06	4.07	2.15
1.60	50.2	36.5	29.3	16.7	12.9	9.94	8.05	6.81	5.18	4.20	2.17

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	85.8	61.6	49.6	28.6	21.1	17.5	14.0	12.0	9.25	7.56	4.04
1.80	88.5	63.2	51.0	29.5	22.0	17.9	14.5	12.4	9.48	7.73	4.26
1.75	90.6	65.4	52.7	31.3	22.5	18.5	14.8	12.6	9.72	8.06	4.28
1.70	92.3	66.6	54.2	31.6	24.3	19.0	15.3	13.1	9.90	8.07	4.30
1.67	93.5	68.2	55.8	31.7	24.4	19.0	15.6	13.1	10.03	8.09	4.30
1.60	95.2	69.7	56.4	32.5	25.1	19.5	15.8	13.4	10.21	8.30	4.30

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