




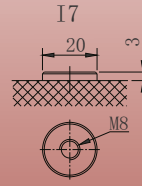
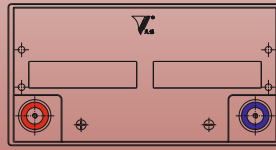
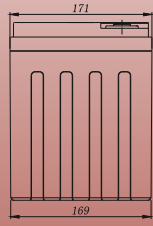
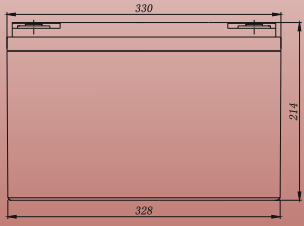




-  **10% High Energy Density**
-  **15% Extra Capacity Performance**
-  **50% Low Corrosion**
-  **0% Sulfation**
-  **ABS Box UL94-HB**

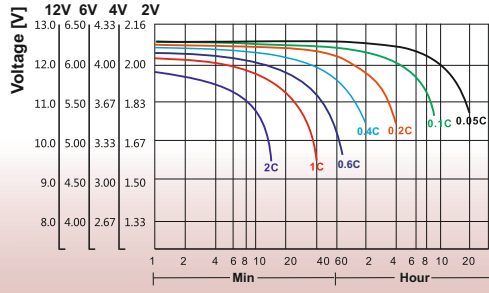
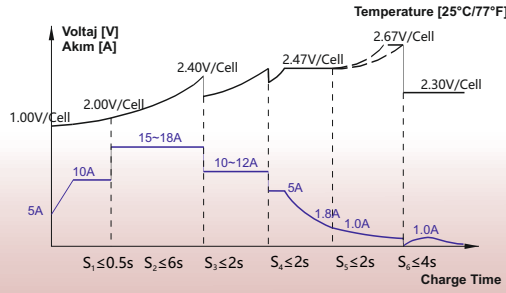
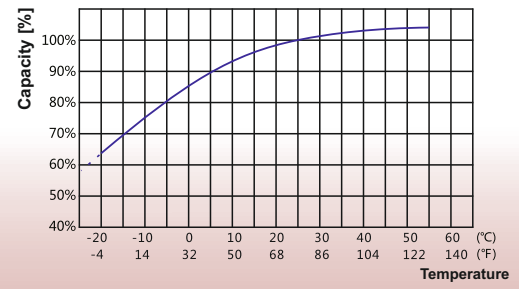
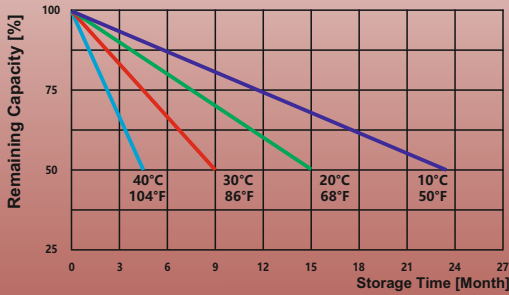
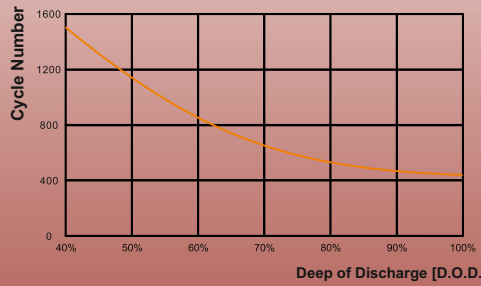
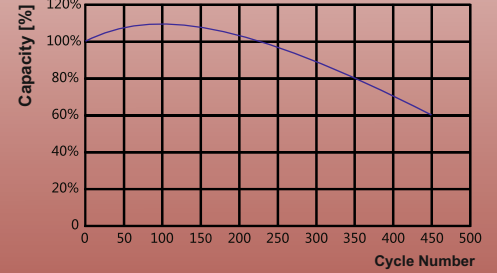
- E-Scooter** 
- E-Motocycle** 
- Snow Scooter** 
- Automatic Guided Vehicles (AGV)** 
- Cleaning Machines** 
- E-Wheel Chairs** 



Battery Code	YGD12-63[A] EV
Stock Code	00125001AG
Box Type	ABS UL94-HB
Length [mm]	330
Width [mm]	171
Height [mm]	214
Total Height [mm]	214
Tolerance	[<100 mm ± 2mm] [>100 mm ± 3mm]
Weight [Kg ±%3]	32.5
Current Limit	0.2≤C ₃ A

C20 [Ah, 25°C] [6.37A - 10.5V]	127.4A			
C10 [Ah, 25°C] [11.02A - 10.8V]	110.2A			
C5 [Ah, 25°C] [21.25A - 10.5V]	106.3A			
C3 [Ah, 25°C] [33.3A - 10.5V]	100.0A			
C1 [Ah, 25°C] [89.4A - 9.60V]	89.4A			
Operating Temperature	Discharge	Charge	Storage	Optimum
	-15°C ~ +50°C	-0°C ~ +40°C	-15°C ~ +40°C	25 ±2 °C
Temperature - Capacity	40°C	25°C	0°C	-15°C
	106%	100%	85%	72%
Self Discharge (25°C)	3% / Month			
Charge Limit - Cycle Use	14.4 V ~ 14.8 V [-24mV/°C]			
Charge Limit - Float Use	13.5 V ~ 13.8 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 [25°C, A]

Cutting Voltage [V/Cell]	Minute		Hour								
	30	45	1	2	3	4	5	6	8	10	20
1.85	134.0	95.5	76.5	43.8	31.0	24.47	20.00	17.02	13.12	10.75	6.04
1.80	138.8	98.3	78.9	45.3	32.1	25.19	20.78	17.65	13.50	11.02	6.25
1.75	142.5	102.0	81.8	48.1	33.3	26.09	21.25	18.02	13.89	11.25	6.37
1.70	146.0	104.7	84.6	48.9	34.1	27.00	22.13	18.90	14.22	11.54	6.51
1.67	149.0	108.0	87.6	49.4	34.5	27.25	22.63	19.00	14.53	11.74	6.57
1.60	153.0	111.2	89.4	51.1	35.7	28.06	23.12	19.56	14.89	12.13	6.62

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

Cutting Voltage [V/Cell]	Minute		Hour								
	30	45	1	2	3	4	5	6	8	10	20
1.85	261.7	187.8	151.3	87.2	62.1	49.3	40.3	34.4	26.59	21.80	12.31
1.80	269.9	192.7	155.4	89.9	64.2	50.5	41.7	35.5	27.24	22.29	12.67
1.75	276.2	199.4	160.7	95.3	66.3	52.1	42.5	36.1	27.92	22.66	12.87
1.70	281.5	203.1	165.3	96.2	67.4	53.6	44.0	37.7	28.44	23.11	13.10
1.67	285.0	208.1	170.1	96.7	67.8	53.8	44.7	37.6	28.82	23.35	13.13
1.60	290.2	212.7	171.8	99.1	69.6	54.9	45.3	38.4	29.33	23.93	13.20

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