







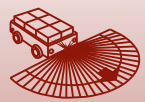

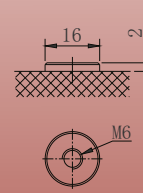
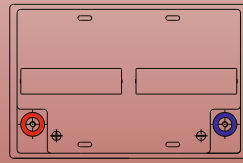
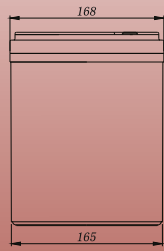
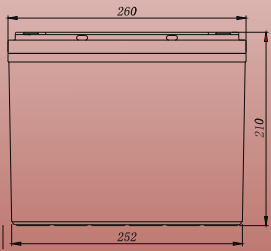




-  **10% High Energy Density**
-  **15% Extra Capacity Performance**
-  **50% Low Corrosion**
-  **0% Sulfation**
-  **ABS Box UL94-HB**

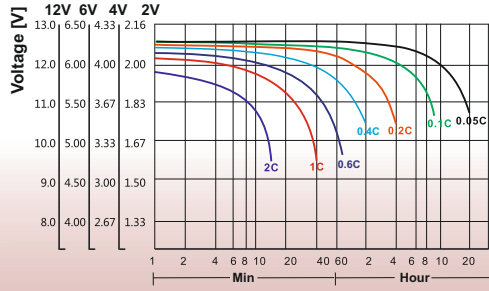
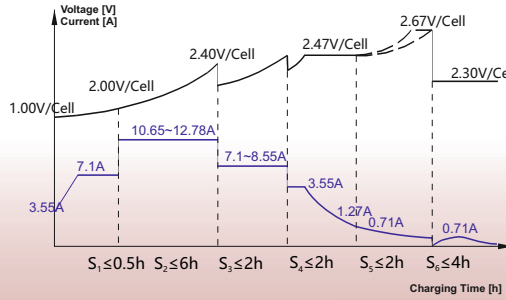
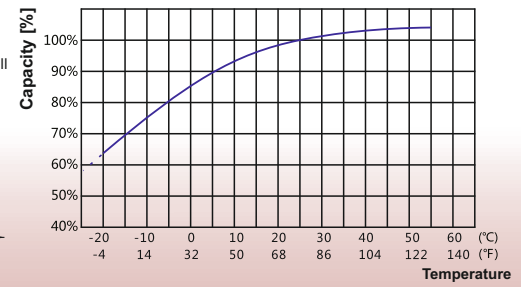
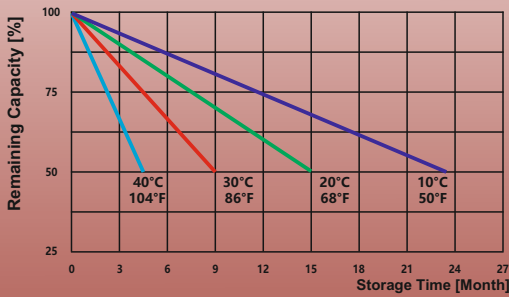
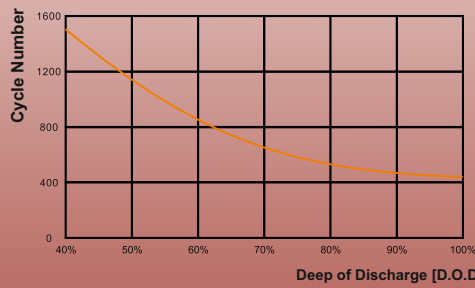
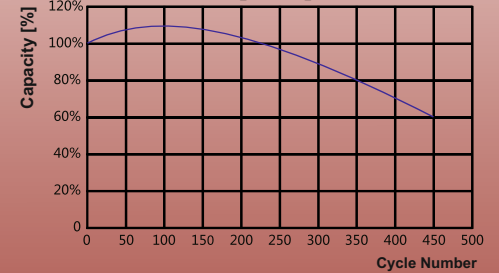
- E-Scooter** 
- E-Motocycle** 
- Snow Scooter** 
- Automatic Guided Vehicles (AGV)** 
- Cleaning Machines** 
- E-Wheel Chairs** 



Battery Code	YGD12-90[AEV-8]
Stock Code	00900001A
Length [mm]	260
Width [mm]	168
Height [mm]	210
Total Height [mm]	210
Tolerance	[<100 mm = ± 2mm] [>100 mm = ± 3mm]
Weight [Kg ±%3]	23.5
Current Limit	0.2≤C ₃ A
Self Discharge [25°C]	3% / Month

C20 [Ah, 25°C] [4.59A - 10.5V]	91.8A			
C10 [Ah, 25°C] [8.10A - 10.8V]	78.9A			
C5 [Ah, 25°C] [15.2A - 10.5V]	76.0A			
C3 [Ah, 25°C] [23.7A - 10.5V]	71.0A			
C1 [Ah, 25°C] [64.4A - 9.60V]	64.4A			
Operating Temperature	Discharge	Charge	Storage	Optimum
	-15°C ~ +50°C	-0°C ~ +40°C	-15°C ~ +40°C	25 ±2 °C
Temperature - Capacity Relationship	40°C	25°C	0°C	-15°C
	106%	100%	85%	72%
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 Table [25°C,A]

Cutting Voltage [V/Cell]	Minute		Hour								
	30	45	1	2	3	4	5	6	8	10	20
1.85	96.5	68.8	55.1	31.5	22.0	17.43	14.26	12.15	9.38	7.70	4.35
1.80	99.9	70.8	56.8	32.6	22.8	17.93	14.82	12.60	9.65	7.89	4.50
1.75	102.6	73.4	58.9	34.7	23.7	18.58	15.15	12.86	9.93	8.05	4.59
1.70	105.1	75.4	60.9	35.2	24.2	19.24	15.79	13.50	10.16	8.25	4.69
1.67	107.3	77.8	63.1	35.6	24.5	19.41	16.15	13.57	10.39	8.40	4.73
1.60	110.2	80.0	64.4	36.8	25.4	19.99	16.51	13.98	10.65	8.68	4.77

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	188.4	135.2	108.9	62.8	44.1	35.1	28.8	24.5	19.01	15.61	8.86
1.80	194.4	138.7	111.9	64.7	45.6	36.0	29.7	25.4	19.47	15.95	9.12
1.75	198.8	143.6	115.7	68.6	47.1	37.1	30.3	25.8	19.95	16.20	9.27
1.70	202.7	146.3	119.0	69.3	47.9	38.2	31.4	26.9	20.32	16.53	9.43
1.67	205.2	149.8	122.5	69.6	48.2	38.3	31.9	26.9	20.61	16.71	9.45
1.60	208.9	153.1	123.7	71.3	49.4	39.1	32.4	27.5	20.98	17.14	9.51

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