








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

E-Scooter



E-Motocycle



Snow Scooter



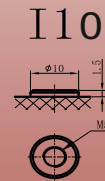
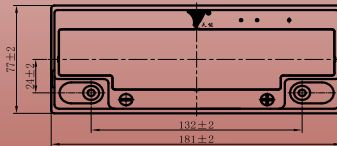
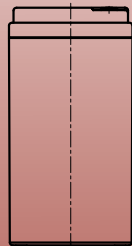
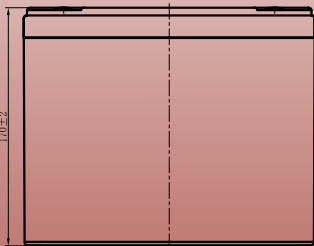
Water Scooter



**Low Speed
Electrical
Vehicle**



E-Wheelchair

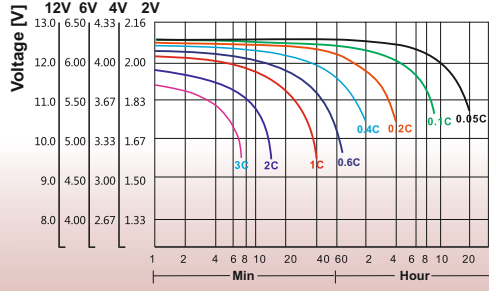


Battery Code	YGD12-24F[A] E-Bike
Stock Code	00240002B
Length [mm]	181
Width [mm]	77
Height [mm]	170
Total Height [mm]	170
Tolerance	[<100 mm ± 2mm] [>100 mm ± 3mm]
Weight [Kg ±%3]	7.00
Current Limit	0.2≤C ₂ A

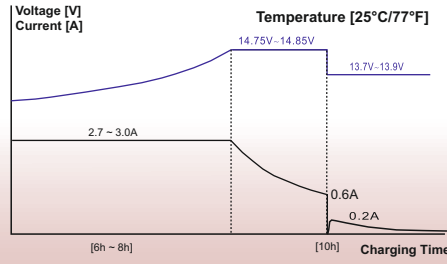
C20 [Ah, 25°C] [1.43A - 10.5V]	28.6A			
C10 [Ah, 25°C] [2.55A - 10.8V]	25.5A			
C5 [Ah, 25°C] [4.87A - 10.5V]	24.35A			
C1 [Ah, 25°C] [19.1A - 10.5V]	19.1A			
Operating Temperature	Discharge	Charge	Storage	Optimum
	-15°C ~ +50°C	-0°C ~ +40°C	-15°C ~ +40°C	25 ±2°C
Temperature -	40°C	25°C	0°C	-15°C
Capacity Relationship	106%	100%	85%	72%
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]			



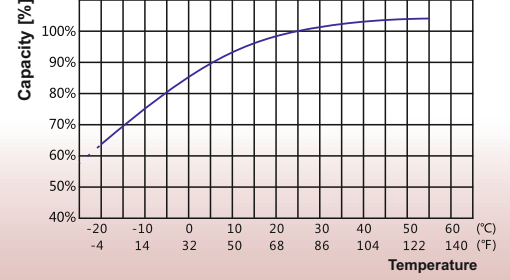
Discharge Characteristics [25°C]



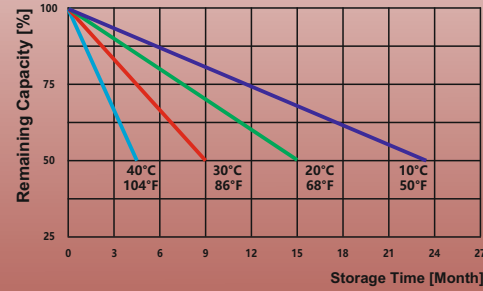
Charge Characteristics [25°C]



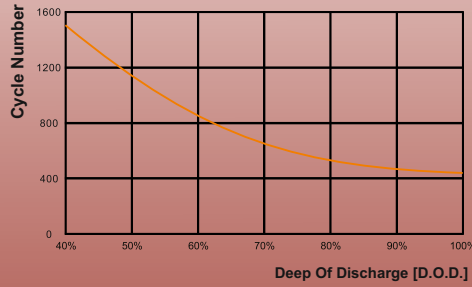
Temperature - Capacity Relationship [25°C]



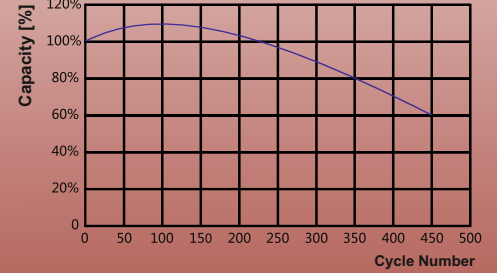
Time - Self Discharge Relationship



Deep Of Discharge - Cycle Life Relationship



Cycle Life - Remaining Capacity Relationship [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	31.5	22.5	17.8	9.10	7.18	5.43	4.40	3.81	3.01	2.49	1.35	
1.80	32.6	23.1	18.4	9.41	7.34	5.60	4.58	3.09	3.09	2.55	1.40	
1.75	33.5	24.0	19.1	10.0	7.73	5.86	4.87	3.19	3.19	2.60	1.43	
1.70	34.4	24.6	19.7	10.2	7.89	6.00	4.91	3.26	3.26	2.67	1.46	
1.67	35.1	25.5	20.4	10.3	8.00	6.16	5.06	3.34	3.34	2.72	1.47	
1.60	36.1	26.1	20.8	10.6	8.29	6.33	5.13	3.42	3.42	2.81	1.48	

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	60.5	43.5	34.6	18.1	14.3	10.9	8.82	7.59	5.98	4.92	2.66	
1.80	62.3	44.5	35.5	18.7	14.6	11.2	9.12	7.85	6.12	5.03	2.74	
1.75	63.8	46.2	36.8	19.8	15.4	11.7	9.65	8.20	6.29	5.13	2.78	
1.70	65.1	47.0	37.8	20.0	15.6	11.9	9.70	8.31	6.40	5.23	2.83	
1.67	66.0	48.2	38.9	20.1	15.7	12.1	9.90	8.42	6.48	5.28	2.84	
1.60	67.2	49.1	39.3	20.6	16.1	12.3	10.0	8.56	6.59	5.40	2.85	

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