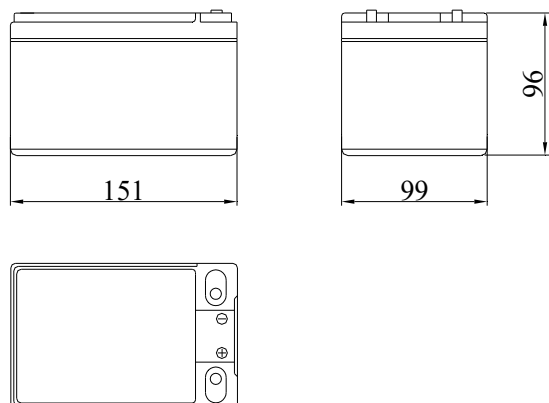


ttec

12V14Ah

The battery is designed specially for electric vehicles, such as electric golf cart, electric wheelchair, mower dust collector etc. It has high cycling life, high efficiency and long service life.

Outer Dimensions



Dimensions and Weight

Length (mm / inch)	151 / 5.94
Width (mm / inch)	99 / 3.86
Height (mm / inch)	96 / 3.77
Total Height (mm / inch)	101 / 3.98
Approx.Weight(Kg / lbs)	4.6 / 10.1

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

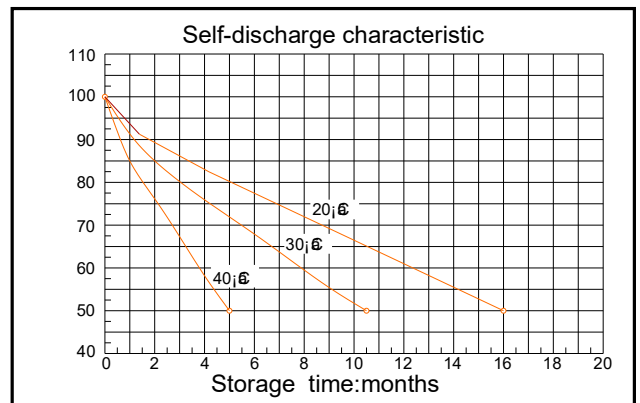
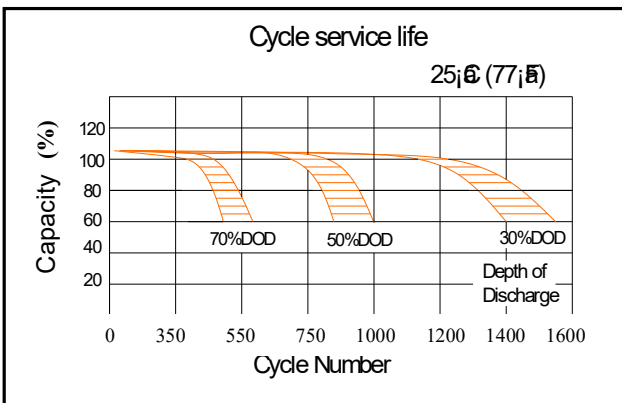
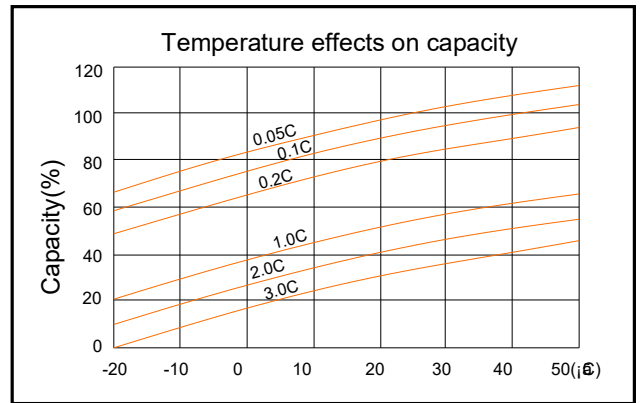
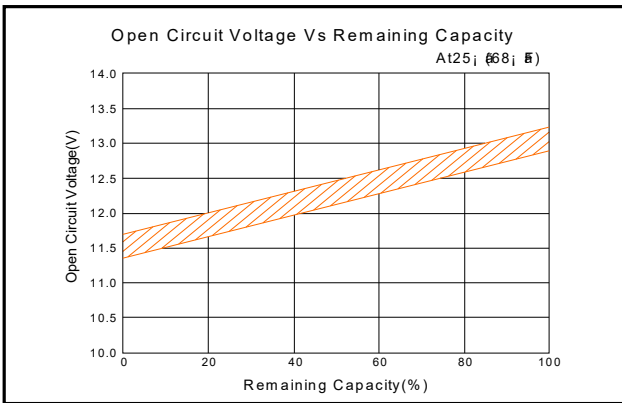
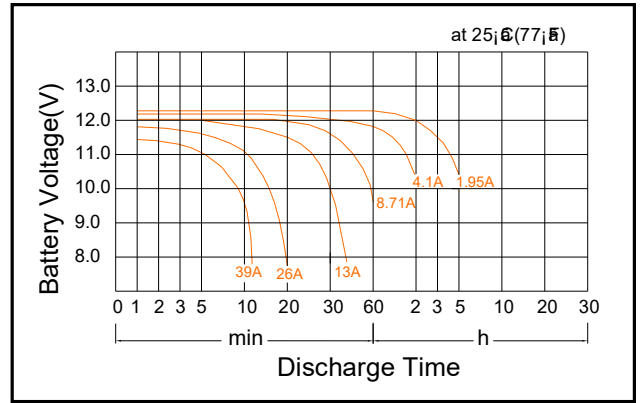
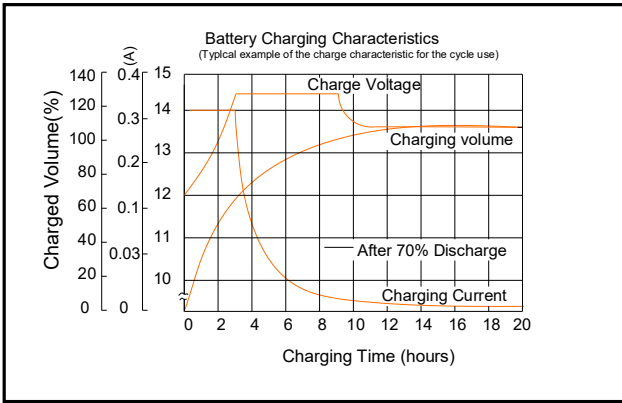
Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
5 hour rate(2.8A, 1.75V)	14Ah
2 hour rate (5.85A, 1.75V)	11.7Ah
1 hour rate(10.5A, 1.60V)	10.5Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	16mOhms
Self-Discharge	
3% of capacity declined per month at 25°C(average)	
Operation Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max.Discharge Current 77°F(25°C)	195A(5s)
Short Circuit Current	260A

Charging Methods

Application	Charging method	Charging Voltage at 25°C	Temperature compensation coefficient of charging voltage	Max.charging current	Charging time 0.1CA. 25°C (h)		Temp (°C) (32~104°F)
					100% discharge	50% discharge	
For standby power source	Constant voltage & Constant Current Charging (with current restriction)	13.6~13.8V	-20 mV/°C	3.9A	24	20	0~40 (32~104°F)
For cycle service		14.6~15.0V	-30 mV/°C	3.9A	16	10	

*Temperature compensation of charging voltage is not needed when using the batteries within 15°C to 35°C range.



Discharge Constant Current (Amperes at 77°F/25°C)

F.V / Time	10 Min	15 Min	30 Min	40 Min	1 h	2 h	3 h	5 h
1.60V	35.0	26.6	16.3	13.8	9.80	5.72	4.08	2.78
1.65V	37.4	27.8	16.9	13.9	10.0	5.85	4.18	2.80
1.70V	39.6	28.8	17.2	14.1	10.3	5.96	4.20	2.82
1.75V	40.8	29.3	17.6	14.3	10.4	6.06	4.22	2.84
1.80V	42.0	29.8	17.8	14.5	10.5	6.18	4.25	2.88

Discharge Constant Power (Watts/ at 77°F/25°C)

F.V / Time	10 Min	15 Min	30 Min	40 Min	1 h	2 h	3 h	5 h
1.60V	64.1	48.7	29.8	25.3	17.9	10.5	7.47	5.09
1.65V	68.4	50.9	30.9	25.4	18.3	10.7	7.65	5.12
1.70V	72.5	52.7	31.5	25.8	18.8	10.9	7.69	5.16
1.75V	74.7	53.6	32.2	26.2	19.0	11.1	7.72	5.20
1.80V	76.9	54.5	32.6	26.5	19.2	11.3	7.78	5.27