

- Compared with the conventional 6 EVF-32A battery, the capacity increased by % 18, corresponding to the same configuration of the vehicle continued mileage increased by % 18.



### Best Loading Requirement

- Starting current less than 35A, the normal current less than 17,5A, with 48V 850W, 60V 1050W, 72V 1250W motor or below the powers.

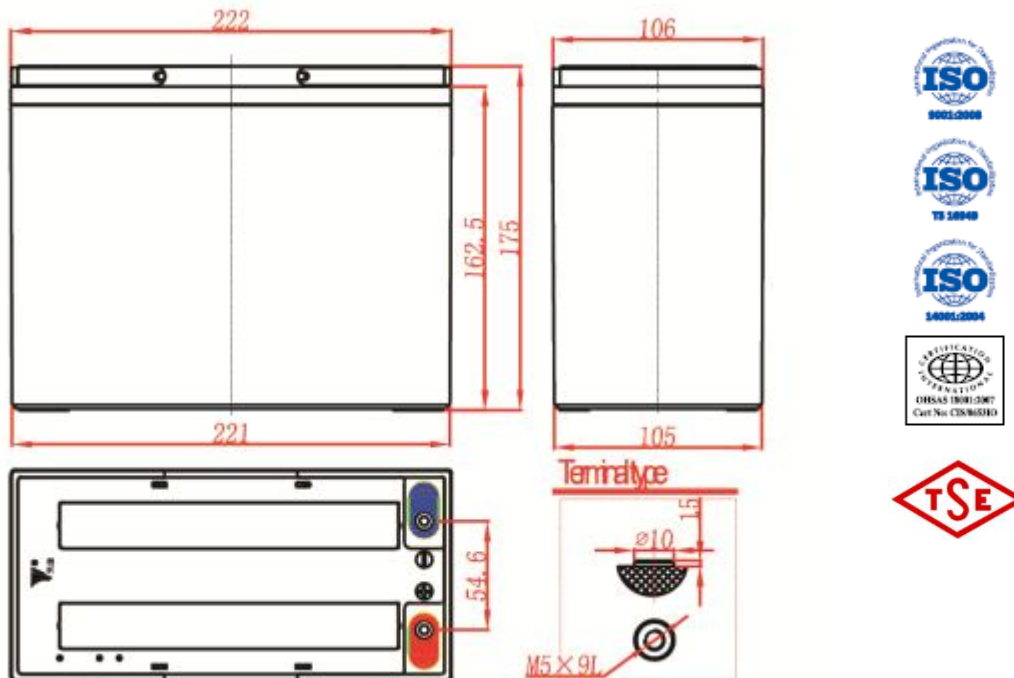
### Applications

- 48V 38Ah Medium Electric Tricycles
- 60V 38Ah Medium & Large Electric Tricycles
- 60V 38Ah, 72V 38Ah Electric Motor Vehicles

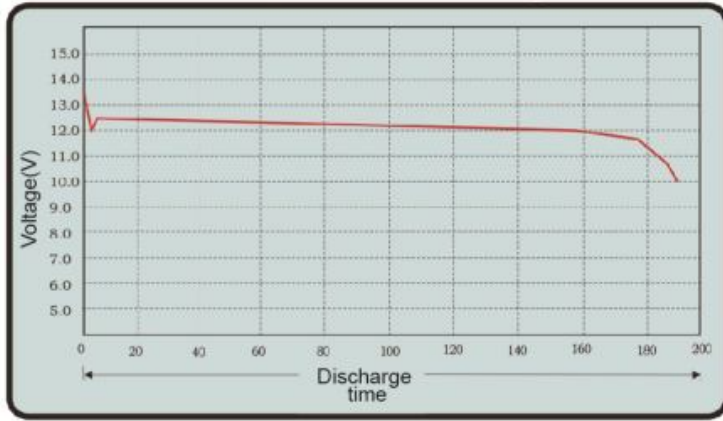
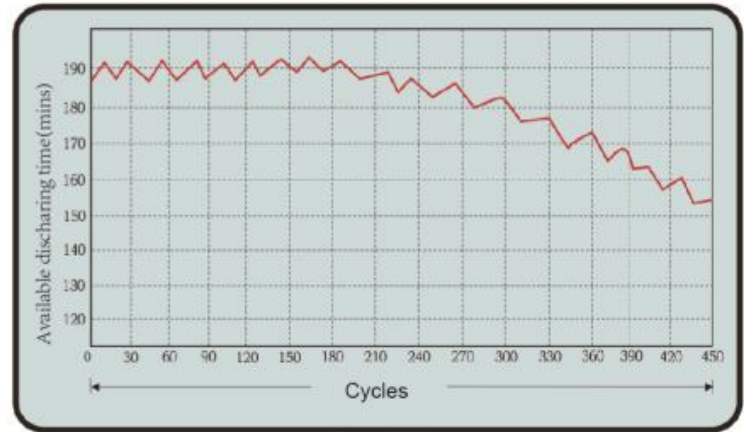
### Some Vehicles' Mileage Forecast

Model	Rated Power	Real Power	Mileage Per Charge
48V 38Ah Tricycle	500W	850W	55 Km
60V 38Ah Tricycle	800W	1100W	65 Km
60V 38Ah EMV	500W	750W	95 Km
72V 38Ah EMV	500W	900W	95 Km

The data is only a reference to the current market popular Vehicles' model.



Battery Model	YGD12-40(A)						
Capacity (25°C)	10 HR (4.2A)	5 HR (8.1A)	3 HR (12.7A)	2 HR (18.8A)	1 HR (34.1A)	30 Min. (56.6A)	15 Min. (92.8A)
	42.4 AH	40.5 AH	39.4 AH	37.5 AH	34.1 AH	28.3 AH	23.2 AH
Dimensions	Length		Width		Height		Total Height
	222 mm		106 mm		171 mm		176 mm
Approx Weight	11.8 kg ± %3						
Self Discharge	Capacity declined @25°C, 3 months %10, 6 months %20, 9 months %35						
Capacity Affected By Temperature (3 HR)	40°C	25°C		0°C		-12°C	
	%102	%100		%85		%75	

**12.7A Discharging diagram@25°C±2°C**

**100%DOD Life diagram@25°C±2°C**


## Charge characteristics

