

■ Motive Battery

□ Energy Storage Battery

□ Reserve Battery

□ Motorcycle Battery



### Motive Battery-Deep Cycle Type-TNE Series

# TNE12-80

## (12V 80Ah)

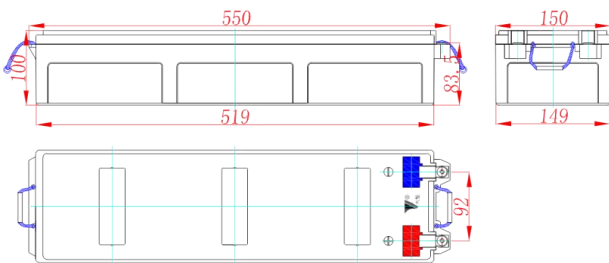
### GENERAL FEATURES

- ◆ Oxygen recombination technology: Maintenance Free VRLA Battery, no need to add water or acid
- ◆ The patent grid alloy: less gassing, low self-discharge, excellent corrosion resistance performance
- ◆ Special paste formula: additives are added to improve deep discharge, long cycle life
- ◆ High quality AGM separator: extend cycle life and prevent micro short circuit
- ◆ The patent Nano silica gel electrolytes, extend cycle life and improve the deep discharge performance
- ◆ ABS container: increase the strength of battery (Flame-retardant ABSUL94-V0 is optional)

### Dimension

Unit:mm

Length	550±2mm / 21.65inch
Width	150±2mm / 5.91inch
Container Height	100±2mm / 3.94inch
Total Height	100±2mm / 3.94inch



### Application

- ◆ Electric tools or toys
- ◆ Electric Bicycle/Tricycle
- ◆ Golf trolleys and golf cart
- ◆ Patrol car
- ◆ Electric Sight-seeing Tour Bus
- ◆ Sweeper
- ◆ Wheelchairs
- ◆ Lawn mowers
- ◆ Illumination light

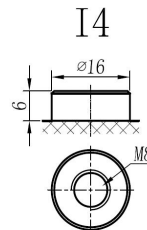
### Terminal

Unit:mm

Terminal Type: I4

### Weight

22kg 48.5lbs



This document is subject to change without prior notification

- Motive Battery
- Energy Storage Battery
- Reserve Battery
- Motorcycle Battery



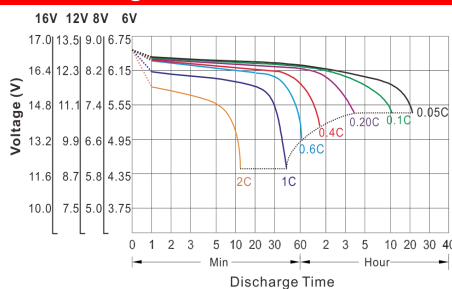
## TNE12-80

### Specificaion

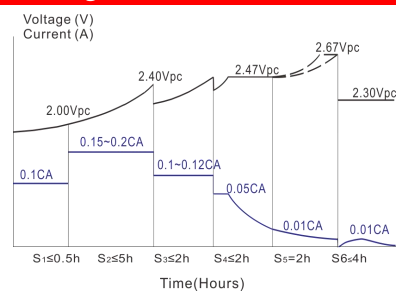
<b>Nominal Voltage</b>	12V	
<b>Nominal Capacity</b>	80Ah	
<b>Rated Capacity</b>	<b>C20(1.80V/cell)</b>	80Ah
<b>Capacity (25°C)</b>	<b>C10(1.80V/cell)</b>	72Ah
	<b>C5(1.75V/cell)</b>	68Ah
<b>Container Material</b>	ABS (Flame-retardant ABSUL94-V0 is optional)	
<b>Operating Temperature Range</b>	<b>Discharge</b>	-20 ~ +50°C
	<b>Charge</b>	0 ~ +40°C
	<b>Storage</b>	-15 ~ +40°C
<b>Capacity Effected by Temperature</b>	<b>40°C / 104°F</b>	106%
	<b>25°C / 77°F</b>	100%
	<b>0°C / 32°F</b>	86%
	<b>-10°C / 14°F</b>	65%
<b>Charge Method</b>	Please refer to the "Charge Characteristics (25°C)" below	
<b>Monthly Self Discharge</b>	<3%, TNE series stored at 25°C require a supplementary charge every six months, the charging interval would shrink when the ambient temperature went higher	

### Performance Curve

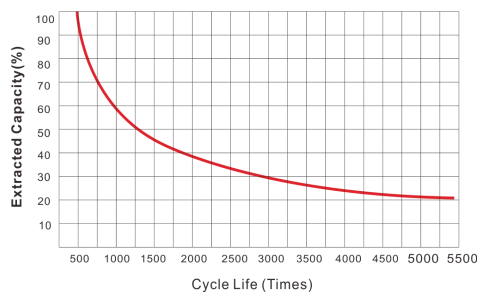
#### Discharge Characteristics ( 25°C )



#### Charge Characteristics ( 25°C )



#### Cycle Lives With Depth Of Discharge



#### Self-Discharge Characteristics

