

# 6-DZF-12

# XUPAI®

XUPAI LONG LIFE ROAD CAR LEAD ACID BATTERY

## GENERAL FEATURES

Internal formation technology, alloy free of cadmium and arsenic, environmentally friendly. Reliable sealing structure, no leakage, no need for fluid maintenance. High specific energy and high specific efficiency, excellent large current discharge performance. Good charge acceptance performance, wide temperature range. Low self-discharge rate and long cycle life of deep charge and discharge.



## Product Applications



E-scooter



E-Bike

## Product Features



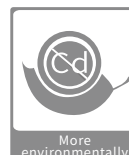
Longer life



Run farther



More power



More environmentally

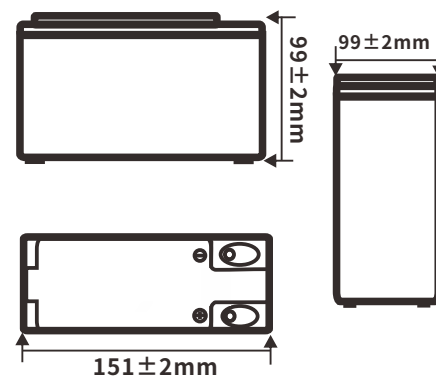


Much Safer

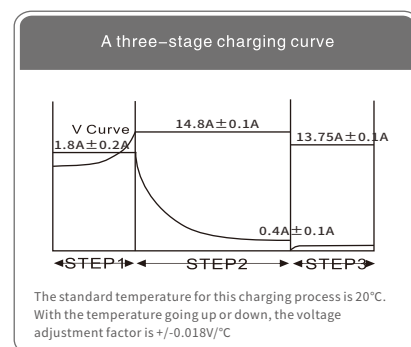
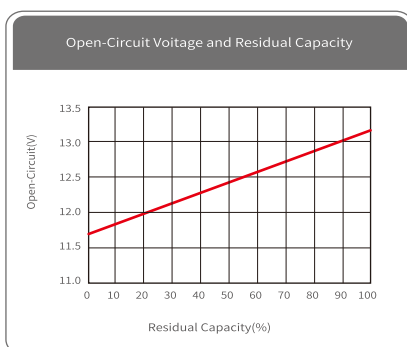
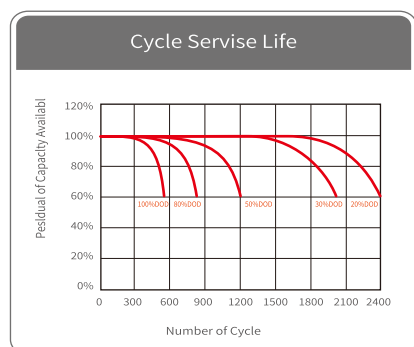
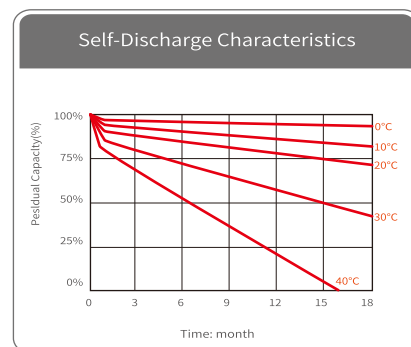
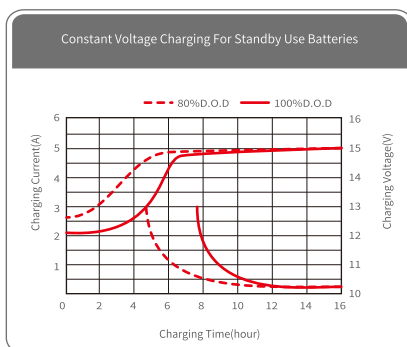
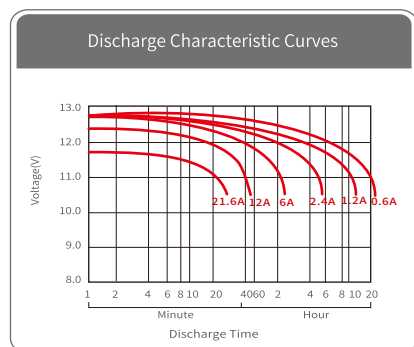
## Parameters

Voltage(V)	12	Capacity(Ah,25°C)	3hr(4.00A to 10.5V) 13 5hr(2.80A to 10.5V) 14.5 10hr(1.20A to 10.5V) 16 20hr(0.70A to 10.5V) 18	
2hr capacity (AH)	12	Self dischargeRate (20°C)	≥85%/3month	
Dimension (±2mm)	L(mm)	151	Charging voltage(V)	
	W(mm)	99		Floating 13.5V~13.8V cycling 14.4V~14.8V
	H(mm)	99		discharge current(A)
	T/H(mm)	99		3.6 I <sub>2</sub>
Weight(Kg)	6.6±0.1kg	charge current(A)	0.15 C <sub>2</sub>	
Material of Shell	ABS	Terminal	φ8-M5	
Max resistance(mΩ)	≤11	Residual capacity after self-discharge ≥	30d 90%	
Terminal	Copper		60d 85%	
Operating Temperature Range	Discharge: -35°C (-31°F)~50°C (122°F) Charge: -15°C (5°F)~40°C (104°F) Storage: -15°C (5°F)~40°C (104°F)		90d 82%	
			180d 80%	

## OUTER DIMENSIONS



## BATTERY FEATURE



# 6-DZF-12

**XUPAI**<sup>®</sup>  
XUPAI LONG LIFE ROAD CAR LEAD ACID BATTERY

## Product Features:

- 1 Stable discharging: 15% more working time than similar products.
- 2 Battery life: using the advanced technology to extend the battery life, 8% longer than similar products.
- 3 Eco-friendly: Non-cadmium technology.

## How to use the battery correctly?

Battery is the power source of the mono-bicycle. It is the consumable product and expensive for replace, we should use it correctly to keep the battery's in good performance and extend the battery's life.

## How to maintain the battery?

- 1 Well installed in the mono-bicycle can keep the damage from the shake.
- 2 Keep the battery's cover cleanly can prevent the battery's self-discharge.
- 3 Keep the battery in full capacity as you can and charge the battery every day.
- 4 Ride the motor-bicycle in start stage to prevent the momentary current damage the battery.
- 5 When warning light of the battery was turned on, please charging the battery immediately to prevent the over discharging damage the battery.

## The possibility to shorten the battery life:

- 1 Deep discharging again and again.
- 2 Short charging and longtime discharging.
- 3 Working in heat.
- 4 Over charging, especially the trickle charging.
- 5 Charging current over the limit.
- 6 Store the full charged battery in longtime can cause the self-discharging and lower the battery's capacity.

# 6-DZF-12

**XUPAI**<sup>®</sup>  
XUPAI LONG LIFE ROAD CAR LEAD ACID BATTERY

## Check the battery regularly:

- 1 Check the wire between the batteries and DC source prevent the loose, corrosion and damage of the connections, replace the wire if necessary.
- 2 Check the battery pack to prevent the breakage, leakage and other anomalies, replace the battery if necessary.
- 3 Check the battery's charging voltage and discharging capacity, do the charging and discharging cycle detection if necessary.

## Note:

- 1 Use the same battery from the same manufactory to constitute the battery pack.
- 2 Prevent the short-circuit between cathode and anode.
- 3 Prevent use the battery again when it's in the protection voltage.
- 4 Prevent the shock and mechanical damage when battery is working.
- 5 Keep the current and voltage in safe range when charging and discharging.
- 6 Keep the battery away from the heat, fire and sunshine.
- 7 Keep the battery away from the children.
- 8 Avoid the vitriol splashing in to the eyes or skins when maintain the battery. Use large water to wash when it happed and go to hospital immediately.
- 9 Do not use the chemical cleaner, organic solvents such as gas, thinner to cleaning battery; otherwise it will damage the battery case.
- 10 Abandoned batteries should be stored centrally to the designated location or recovered by the battery manufacturers.
- 11 Use insulated tools and insulated gloves to prevent electrical shock and short circuit in Installation and maintenance process.
- 12 Contact the professionals and dealers when something wrong in your battery. Do not open the battery by yourself.
- 13 The battery is designed for the motor-bicycle. Consult the manufacturers first if used for other purpose.

## Common Faults and exclusion:

### **1 Q: Is motor-cycle battery need maintenance?**

A: Yes. When the battery is working, it will produce a hydrogen-oxygen gas, most gas will compound into the water again, but some gas will escaped through the valve and it will cause the water loss of the battery. So, it's better maintain the battery in your dealer's company every 8-10 months after your using or when the battery become hot when charging it.

### **2 Q: Is all problem of the short motor-bicycle's journey caused by battery?**

A: No. When the battery was used in longtime, the capacity will lower and it will cause the journey of motor-bicycle be short. But some reason will cause the same problem:

A.The motor's electric efficiency lower will cause the consumption of the motor become large and it will lead the same problem.

B.Bad quality's charger charging the battery will cause the problem.

C.Power controller of the motor-bicycle will waste the battery's power and it will cause the problem.

D.Bad quality's motor-bicycle was not well designed, the friction coefficient and the mechanical transmission resistance are bigger than normal, and it will cause the problem.

### **3 Pay attention in summer**

A.Avoid the hot sun exposure, non-charging in high temperature environment.

B.Avoid traveling at high temperatures immediately after charging, to prevent long charging time (normal 8 hours).

C.To go dealer's store maintain the battery in time when the battery become hot in charging or the green light was not turned on.

### **4 Pay attention in winter**

A.The journey of the motor-bicycle in winter is shorter than in the summer. It's normal and don't need to worry.

B.Do not charging the battery out the room or in the cold environment in winter, the cold environment will cause the battery's capacity lower and the journey of the motor-bicycle will be shorter than summer's.



**XUPAI<sup>®</sup>**

旭派电池代言人  
**林志颖**

**XUPAI Battery long life battery**