Introduction

This battery is with digital display which is type of electronic battery and is developed and designed under the new concept of brand new valve regulated sealed lead acid battery. The charged status of battery is monitored in real time. The working days of battery is also recorded. When the battery is in low charged or low capacity, there will be automatic alarm which instructs the user to maintain the battery timely. There are built-in standby filling packs which are under the lid cover of battery. When the battery is nearly at the end of the service life, the user can use the filling pack to maintain the battery easily which can prolong the service life of battery

Application

This new design battery is mainly for solar power storage system, wind power storage system and PV etc.

Features and functions

1.The electronic chip is built in which can monitor the charge status of battery in real time, when the battery is in low charged or low capacity, it can alarm intelligently.Besides, the working days of battery is automatically recorded.

2.The cover of battery is the type of buckle which is easily to be opened.

3.There are 6 built-in standby filling packs which are under the lid cover of battery. When the battery is nearly at the end of the service life, the user can use the filling pack to maintain the battery easily which can prolong the service life of battery.

(Noted: 1.Model OT33, OT38, OT55, OT75 with two filling pack.
2.Model OT20 without filling pack)

4.The lead plate of battery is made of special activate material formula which makes the battery has longer cycle life.

5.The positive lead plate of battery is made of high purity of alloy with low Ca and high tin which enhances the corrosion resistance.

6.100% batteries will be inspected before shipment which ensures the batteries have stable and enduring quality guarantee.

7.The battery is completely sealed and maintenance-free which is in low rate of self-discharging The sealing technique is safe and secure.

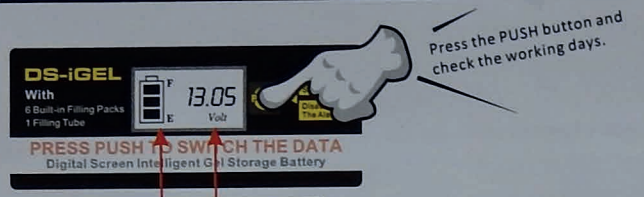
8.With filling GEL electrolyte, the battery has better performance whatever is in low temperature or in high temperature which can meet the working requirement of ambient temperature range from -30℃ to 65℃.

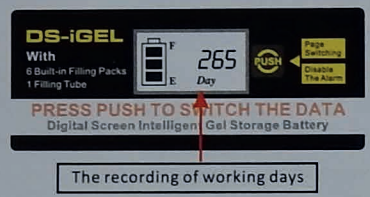
9.The design life of floating charging is more than 8 years.

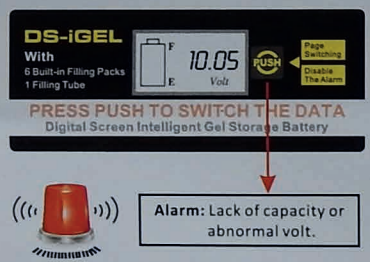
DIAGRAM OF LCD SCREEN

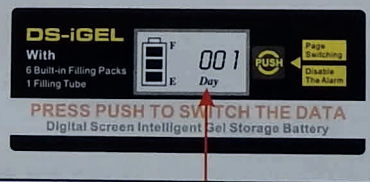
NO.	BATTERY STATUS		INDICATION
	POWER	STATUS OF FLASHING	
1		–	Power<10%
2		–	30%<Power<60%
3		–	60%<Power<90%
4		–	Power>90%
5		Flash in second Maintain on!	Power <10%, charge or maintain the battery!
6		Flash in second Maintain on!	Battery is overcharged, maintain the battery or the charging circuit!

FEATURES







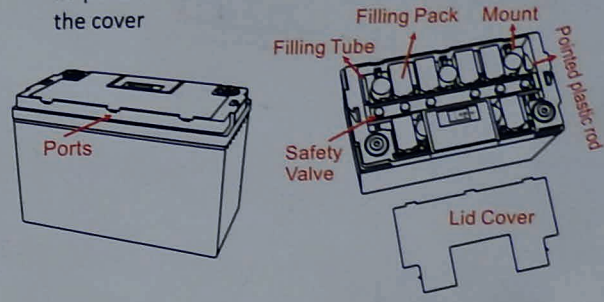


To activate the date record function
1. Battery voltage is higher than 13.5V for more than 48 hours
2. Battery voltage is higher than 13.4V, and reduce to be lower than 12.8V within 48 hours
If it was activated, battery screen would display 001 day

Installation and Maintenance

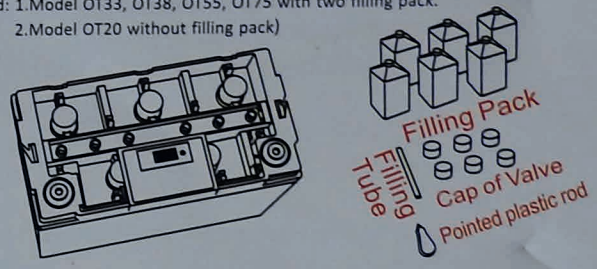
There will be a certain degree of water loss during use of the battery which is more serious under high temperature and over charge. To prolong the service life,The user can fill the battery according to the following steps.

Step one: Using thin sheet metal to pry up the lid cover from the lid ports on the side of the lid coverand then remove the cover



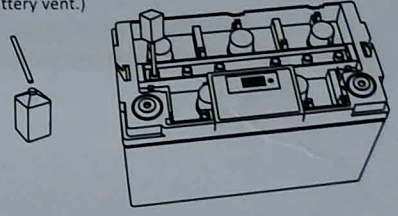
Step two: Take out the 6 filling packs and remove the 6 caps of valve.

(Noted: 1.Model OT33, OT38, OT55, OT75 with two filling pack.
2.Model OT20 without filling pack)



Step three: Use the pointed plastic rod to pierce the aluminum film of the fluid bottle mouth and form a round hole. Insert the injection tube into the bottle and then connect the other side of the tube to one of the vents of the safety valve.

(Note: The battery acid injection tube for OT33 (38) is facing to the battery vent.)



Step four: Gently squeeze the water solution from the filling pack and fill them into the battery completely. Cover the safety valve with cap when the filling is done.

(There are two scale marks on the surface of each filling pack for models OT33, OT38, OT55, and OT75, which are divided equally into 3 single valve holes.)