



GDKH-10 Lead Acid Battery Regenerator



General Information

In all operating equipment and operating network systems with increasing informationization and automation, uninterrupted power supply is the most basic guarantee. Whether it is AC or DC uninterruptible power supply system, the battery acts as backup power source plays an important role in power source system. Usually, the battery is in the state of floating charge standby. Once the AC power is lost or other accidents, the battery becomes the sole energy supplier of the load.

We know that in addition to the normal life cycle of the battery, some of the early failure of the battery may occur due to problems such as the quality of the battery itself, defects in materials, structures, processes, and improper use. In order to verify the standby time

and actual capacity of the battery pack and ensure the normal operation of the system, it is necessary to perform a verification test of the capacity of the battery pack on a regular or as needed basis to detect individual failures at an early stage. Replace the failed single cells to ensure the effectiveness of the entire battery; or to assess the life expectancy of the entire battery.

Features

- Using high-power winding resistance, the discharge current is more stable and fast.
- There is a USB interface, which can transfer the data of the charging and discharging process to the U disk and import it into the PC. PC data management software analyzes the process of battery discharge and generates corresponding data reports. Make data transfer more convenient.
- It adopts intelligent single-chip ARM control and 7-inch touch LCD for Chinese and English display. The menu operation is simple and straightforward.
- The automatic protection function automatically sets the charge and discharge time to, the charge and discharge capacity, the battery voltage is lower than the set minimum protection voltage, the load connection line is abnormal, and automatically stops discharging and alarms, and automatically records the stop mode.
- A variety of charge and discharge termination conditions, including battery termination voltage, discharge capacity, discharge time, to ensure the safety of the discharge test.
- Up to 10 automatic discharge-charge cycles can be set

Specifications

Output voltage	1.5~16V
Output current	2V battery: 0~100A; 4/6V battery: 0 ~60A; 12V battery: 0~30A
Single cell voltage resolution	2V: 0.001V; 6V/12V: 0.001V
Working mode	Single machine use, constant current mode
Protection performance	Over voltage protection: LCD prompt; Over current protection: LCD prompts; 65°C overheat protection: LCD prompt, buzzer alarm;
Voltage test accuracy	0.5%
Current test accuracy	1%
Current control accuracy	0.1A
Data storage capacity	2Gbit FLASH
Heat transfer	Forced air cooling

Temperature	<p>Working range: -5~50°C</p> <p>Storage temperature: -40~70°C</p>
Humidity	Relative humidity 0~90% (40±2°C)
Altitude	4000 meters
Noise	<60dB
Voltage	Single-phase three-wire system 220V AC (–20% to +30%), frequency: 45 to 65Hz;
Withstand voltage test	<p>Input - Case: 2200Vdc 1min</p> <p>Input-output: 2200Vdc 1min</p> <p>Output - Case:700Vdc 1min</p>
Safety	Meet EN610950
AC input	public socket for 1~1.5mm ² cable
DC output	<p>25mm² cable quick connector (red positive black negative)</p>