GDKH-12 Lead Acid Battery Regenerator

General Information

The device is a special device for activating a valve-regulated lead-acid battery with a battery voltage of 2V, 6V, or 12V and a backward capacity due to sulfide crystallization of an electrode plate. With "activation" and "check discharge", "automatic charging" and other functions of the battery.

This equipment adopts the current advanced testing technology principles, and has made a series of breakthroughs in the research and application of new technologies, new devices, new materials, and new processes. It can conduct check discharge tests for the actual situation of different backward batteries, and three-stage automatic charging or multiple cycles are set to charge and discharge the battery multiple times,

so that the active material that fails the battery plate is activated again, and the capacity of the backward battery is increased. It is also equipped with PC application software to upload the collected data to the computer for various analyses.

The instrument has high power, small size, light weight, and complete data management software for the host computer. The friendly and user-friendly human-machine interaction interface greatly reduces the daily testing and maintenance workload of the battery and is the best assistant for battery maintenance.

Features

- The instrument adopts touch screen operation, and the interface can be operated directly using a touch pen or a finger. There are two ways to store data: internal storage and external SD card storage.
- With over-voltage, over-current, over-heating and other protection functions.
- Activation function: When the battery is offline, the single battery can be activated. Before activation, set the number of activation cycles, single activation charge and discharge time, protection voltage and other parameters, the instrument will automatically perform the activation function; and display the battery voltage, charge / discharge current, charge / discharge capacity, charge / discharge time and other data in real time ; After the preset activation cycle is completed or the operation is terminated manually, the activation process can be stopped.
- Discharge function: When the battery is offline, used the smart fake load to perform constant current check discharge. Set the "discharge current", "discharge time", "discharge capacity", "termination voltage" and other parameters, and the instrument will automatically execute discharge function, real-time display of discharge current, battery capacity, battery voltage, discharge time and other data; when the battery reaches the preset termination discharge conditions or artificial termination of operation can stop the discharge test.

- Charging function: When the battery is on-line floating or offline, the battery can be automatically charged. Set the parameters such as "charging current", "charging time", and "termination voltage", and the instrument will automatically perform the charging function. And real-time display of charging current, battery capacity, battery voltage, charging time and other data, when the battery reaches the preset termination charging conditions or artificial termination of operation can stop charging.
- The internal resistance fast test function: (optional) after the battery pack is discharged from the system, it only takes 1 to 2 minutes to measure the battery's evaluation capacity, internal resistance, etc .;
- High-brightness color LCD screen.
- The data management software of the host computer is powerful and friendly. It provides data management, printing, analysis, report statistics, automatic test report generation and other functions.

Specification

Single cell voltage measurement type	2V/6V/12V
Single cell voltage measurement range	2V: 0~3V 6V/12V: 0~16V
Single cell voltage resolution	2V: 0.001V; 6V/12V: 0.001V
Voltage measurement accuracy	0.5%
Charge/discharge current range	2V: 1A~100A 6V: 1A~ 30A 12V: 1A~ 30A

Charge/discharge current control accuracy	1%
Battery capacity checking range	2V: 20Ah~ 1000Ah 6V: 20Ah~300Ah 12V: 20Ah~300Ah
Working voltage	AC 220±15%
Heat transfer	Forced air cooling
Working environment	Temperatures: 0℃~40℃ humidity:20%~80RH
Storage conditions	-20℃~+70℃ packaged storage
Display	High light LCD screen
Dimension	401mm * 176mm * 273 mm
Weight	15kg