



达迪通信设备有限公司
Dadi TeLecommunication Equipment Co.,ltd

SBDT Series Storage Battery Discharge Tester



◆ Overview

SBDT series, which boast functions of in-service surveillance, constant discharge and capacity analysis, are unnecessary tools for daily maintenance and projects acceptance of large scale battery packs.

◆ Functions

- Measurements:
 - ✓ Total battery voltage
 - ✓ Individual cell voltage
 - ✓ Discharge Current
 - ✓ Charge Current
 - ✓ State of charge & discharge



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- ✓ Remaining capacity test (estimated by software after short-time discharging)
 - **Constant Current Discharge**
 - ✓ Continuously adjustable during 1-300A, maximum for 3000AH batteries' maintenance test
 - **Automatically alarm/shut-down**
 - ✓ Total battery voltage low limit
 - ✓ Individual cell voltage low limit
 - ✓ Set discharge time to
 - ✓ Set discharge capacity to
 - **Computer Management Platform**
 - ✓ Record: Recording battery voltage and current during charge and discharge
 - ✓ Various graphic displays: record chart, characteristics comparison figure, total battery volt curve, the individual cell volt curve and capacity histogram
 - ✓ Perfect test report printing
 - **Function Comparison Chart**

Model	Storage Battery Packs Applicable	Discharge Current	Individual cell acquisition mode
SBDT-5110A	Communication System 48V (1000AH)	1-100A	Wire
SBDT-5120A	Communication System 48V (2000AH)	1-200A	Wire



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SBDT-5130A	Communication System 48V (3000AH)	1-300A	Wire
SBDT-5110B	Communication System 48V (1000AH)	1-100A	Wireless
SBDT-5120B	Communication System 48V (2000AH)	1-200A	Wireless
SBDT-5130B	Communication System 48V (3000AH)	1-300A	Wireless

◆ Features

- Complete discharge: support long-term deep discharge and get battery capacity accurately
- Parallel operation: two equipment paralleled and discharge simultaneously; support maintenance test of much larger capacity batteries after paralleled
- USB interface: for test results storage
- Ethernet or RS232 serial interface: data exchange with management platform based on PC
- Automatically generate data report & print test reports

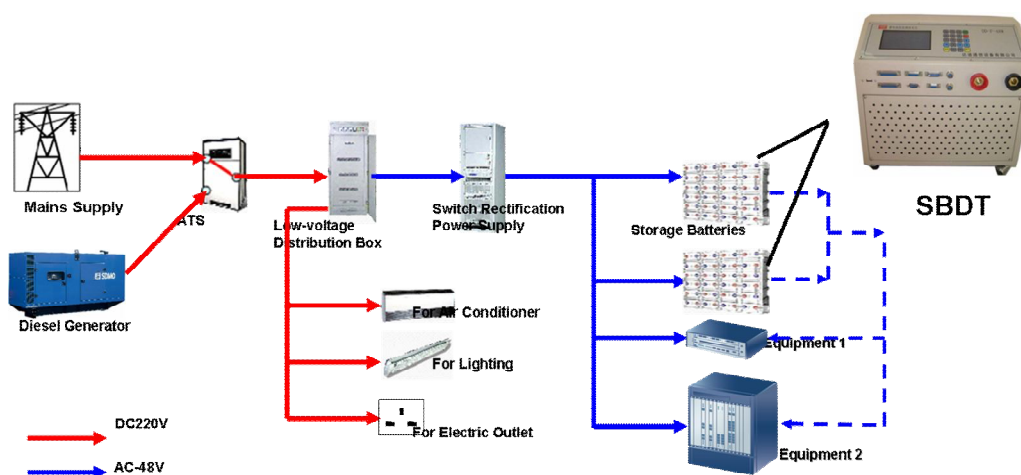
◆ Applications

- Storage battery on-line maintenance
- Storage battery acceptance experiment
- Storage battery check discharging experiment (the accordance of

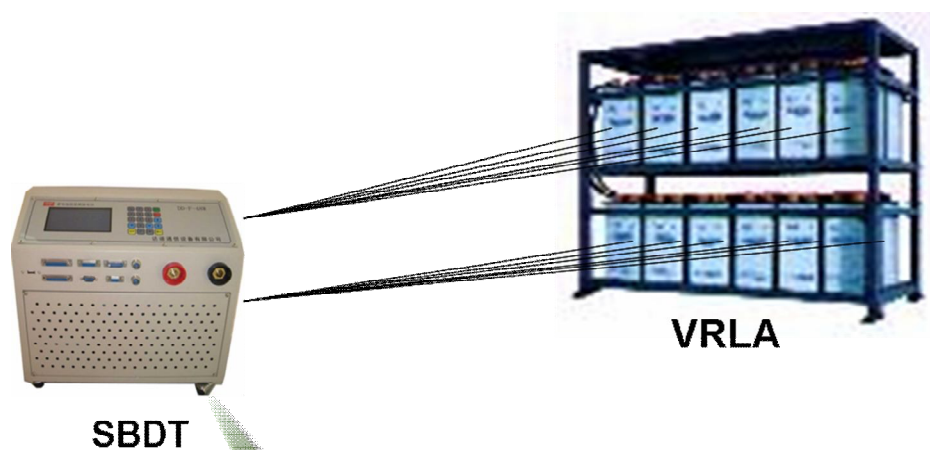


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battery replacement)



Storage Battery Test Purpose



- find out the worst single cell in the entire group
- test out the capacity of worst single cell
- to equilibrium the terminal voltage of single cells in discharge



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◆ Indicators

General	
Spec.	400x210x350mm
Weight	10Kg
Screen	Large LED, menu in Chinese
Operation mode	Keyboard
Communication mode	Ethernet interface and RS232 serial interface
Power	AC220V±20%
Environment requirement	Temperature: 5 ~ 50℃ Humidity: 10% ~ 90%
Storage	Inserted large capacity storage, support U Disk

Test Indicators	
Cell spec	2V,6V,12V
Cell quantities measurement	2V 24 cells, 6V 8 cells, 12V 4 cells
Load in volt	DC 10-100V
Discharge current	1-300A
Voltage resolution	10mV
Current resolution	0.1A
Current test precision	±0.5%
Voltage test precision	±0.5%rfrwRTF

◆ Configuration

- A type (wire) basic configuration

Part No.	Description	Quantity
SBDD-51XXA	Chassis	1
WD-DISCHARGE	Current O/T Line	1 positive and

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		1 negative
WD220W	Chassis Power Line	1
WDRS232	RS232 Serial Line	1
WD -SINGLE	test line for the individual voltage	4
WDRS485	RS485 cell module connect line	1
SBDT-CD	Software Disc	1
SBDT-M	Handbook	1

● B type (wireless) basic configuration

Part No.	Description	Quantity
SBDT-51XXB	Chassis	1
WD-DISCHARGE	Current O/T Line	1 positive& 1 negative
WD220W	Chassis Power Line	1
WDRS232	RS232 Serial Line	1
WD -SINGLE	Test Line for the Individual Voltage	4
SBDT-WIRELESS	Wireless Module	4
SBDT-CD	Software Disc	1
SBDT-M	Handbook	1