PITE 3980 Battery Load Bank

---Your best choice for battery load bank

Model No.: LB-2220 (220V 200Amp)

Typical application: Power utility

LB-2220 DC load unit is specially designed for discharge experiment, battery capacity test, battery maintenance, engineering examination and other tests for DC power with load. With its optional Data Acquisition Case (DAC), you will have a real-time monitoring for the whole process of discharge with wireless communication in PC.

It is a smart, safe and environment-friendly load bank that you could count on.

Why PITE load units?

It is significant to check battery capacity in a regular basis. And the only reliable way to measure the battery capacity is to carry out a discharge test which is a must-to-do job to energize standby batteries and extend their life span.

PITE 3980 series DC load banks feature unique design and excellent performance that will facilitate your work for battery maintenance. It covers different types of batteries (2V, 6V and 12V). With different models, it has wide range of discharging like 24V, 48V, 110V, 220V and 380V. With optional DAC, discharging values of each cell could be viewed on the LCD display and computer simultaneously by using the PITE DataView software.
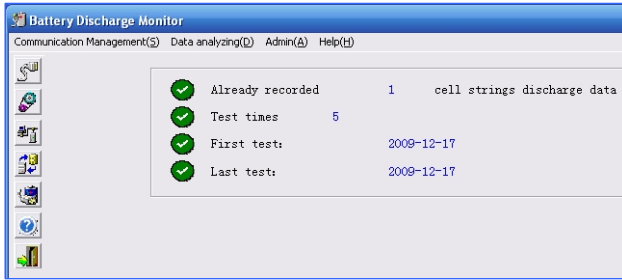
Features

♦ Portable unit with rolling wheels, convenient for onsite test

♦ Optional wireless DAC enables its PC monitoring both for discharging and charging

♦ It sets 4 conditions for auto shut-down of discharge, secured and time-saving

♦ Continued discharge available when previous discharge is stop abnormally

♦ Parallel connection of two units for mass discharge

♦ Real-time display of voltage for each cell with DAC

♦ Accurate data results and vivid waveforms

♦ Auto sorting for lag-out batteries during discharging

♦ AC & DC power supply modes for different needs

♦ Integrated functions for displaying, controlling and discharging

♦ Safe circuits avoids damage to battery when testing

♦ Direct USB drive for convenient data transfer to PC

♦ Powerful management software for data analyzing and report printing

♦ Dynamic discharge and static discharge data auto-saving
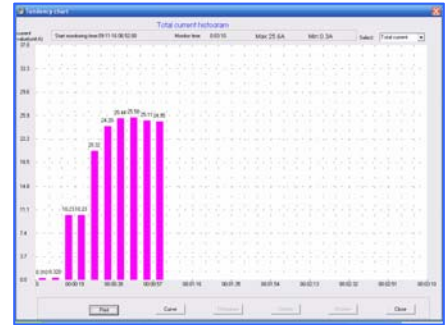
♦ Thermal cut-off and automatic overload protection

PITE DataView

All standard load units of PITE 3980 come with analyzing software. Real-time data monitoring (with DAC), testing data analyzing and report printing are all available with the PITE DataView software.
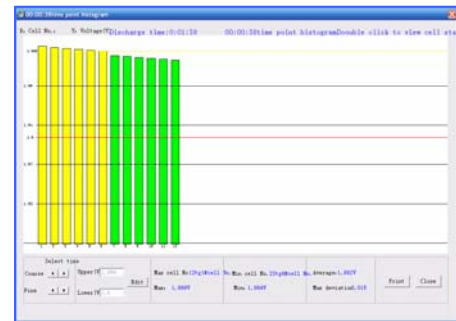

Histogram of difference cells

Simple interface with short-cut keys

Editable voltage limit for comparison
of testing result of difference cells

Discharging curves of each cells

Technical Parameters

Mains Voltage	1). AC 220V/110V, 50/60Hz; 2). DC (from batteries discharged)
For battery type	2V, 6V and 12V*
Discharging Current	Accuracy: 1% Resolution: 0.1A or 0.5%
Max discharge current	200Amp*
Max power	50kW
Discharge voltage range	10V-253V
Voltage Accuracy	0.5%
Sampling Interval	5s --1min
LCD Display	128*64 pixel
Temperature	0℃～40℃
Humidity	5%～90% Relative humidity
Safety standard	CE market, EMC standard
Dimension & Weight (main unit)*	602*400*735mm, 40 kg

*1). Discharge current could be higher with parallel connection of extra unit.

*2). PITE also offers specified load banks for testing 1.2V batteries. For details, please contact our sales representatives.

Optional Data Acquisition Case (DAC)

DAC is optional for wireless communication with PITE 3980 main unit and PC. One DAC could be connected 12 cells of 2V or 4 cells of 12V (or 6V). With DAC, PITE 3980 and PITE DataView software will be able to monitor and record voltage of each cell. Without DAC, overall voltage will be recorded instead of voltage for each cell.

LB-2220 will need 10 DACs for wireless online monitor.

DAC for reference →

Whole packaging

This is just packaging for your reference.

Amount of DAC and DAC leads will verify for different models.

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