

IDCE-2206S (220V 60A) / IDCE-2415S (220V 150A) DC LOAD BANK



- **Multiple applications:**
 - DC battery banks discharge test
 - Rectifiers loading test
 - DC generators loading test
- **128 x 64 pixel LCD screen**
- **Constant current discharge mode**
- **3 automatic stop thresholds**
 - Test time
 - Ah discharged
 - Voltage low limit
- **Embedded self-calibration interface**
- **Multiple units co-working supported**

OVERVIEW

Although battery resistance testing methods are improving and very popular, battery discharge test still is the most accurate and reliable method for actual capacity evaluation of battery groups. Because only constant current discharge can perfectly simulate the working status under loading for batteries, power supply departments in many companies and utilities keep the periodic discharge testing in their maintenance management.

220V DC is very common voltage level for batteries applications in Power utilities & Oil companies. Because the battery groups are playing key roles in standby power supply, the regular discharge test is necessary for improve the stability of the power network. Most of the professional users hope to find an unattended and automatic instrument to simplify discharge process. We believe IDCE-2206S & IDCE-2415S will be your best choice!

FEATURES

Adjustable Current

IDCE-22060S/2415S can provide 0-60A/0-150A (steps: 1A) adjustable current for different test requests. During the test, the current will keep constant

IDCE-2206S

IDCE-2415S

Battery Nominal Voltage	Max Discharge Current	Battery Nominal Voltage	Max Discharge Current
48 V	13 A	48 V	33 A
110/120 V	25 A	110/120 V	80 A
220 V	60 A	220/240 V	150 A

Multiple Adjustable Stop Points

IDCE-2206S/2415S offers 3 adjustable points for test stop points to avoid excessive discharge:

IDCE-2206S		IDCE-2415S	
Stop Point	Setting Range	Stop Point	Setting Range
Group Low Voltage	40.0 - 220.0 V	Group Low Voltage	40.0 - 220.0 V
Discharge Time	0 - 20 Hour	Discharge Time	0 - 20 Hour
Discharge Capacity	0 - 9999 AH	Discharge Capacity	0 - 9999 AH

Extendable & Compatible

Connecting with clamp current, IDCE-2206S/2415S cooperate other types in IDCE-S series or any other load units, and clamp current can count external current in.

Multiple Protections & Alarms

Malfunctions	LCD prompt	beep warning
Input over-voltage	✓	✓
Reverse polarity	✓	✓
Overload	✓	✓
Overheat	✓	✓

IDCE-2206S/2415S provides ample protective measures for various abnormal situations during discharge. Automatic termination, LCD prompt and beep warning would assist users to make proper treatments.

SPECIFICATIONS

Discharge Ranges

IDCE-2206S

Voltage range	current range
40-90V	0-13 A
90-130V	0-25 A
190-265V	0-60 A

IDCE-2415S

Voltage range	current range
40-90V	0-33 A
90-130V	0-80 A
190-285V	0-150 A

Current measurement

IDCE-2206S

Internal current range	0-60 A
Accuracy & resolution	±0.5%FS, 0.1 A
External current range	0-100 A
Accuracy & resolution	±1%FS, 0.1 A

IDCE-2415S

Internal current range	0-150 A
Accuracy & resolution	±0.5%FS, 0.1 A
External current range	0-200 A
Accuracy & resolution	±1%FS, 0.1 A

Voltage measurement

IDCE-2206S

Group voltage range	40-265 V
Accuracy & resolution	±0.5%FS, 0.1 V

IDCE-2415S

Group voltage range	40-285 V
Accuracy & resolution	±0.5%FS, 0.1 V



DC Power Supply

IDCE-2206S

Power supply voltage	220 V AC (-20% to +30%)
Frequency	50/60 Hz
Power consumption	200W(max)

IDCE-2415S

Power supply voltage	220 V AC (-20% to +30%)
Frequency	50/60 Hz
Power consumption	500W(max)

Environment

IDCE-2206S

Operation temperature	-5 to 50° C
Storage temperature	-40 to 70° C
Humidity	5% - 95% RH
Altitude	below 4000 m
Working noise	<60 dB

IDCE-2415S

Operation temperature	-5 to 50° C
Storage temperature	-40 to 70° C
Humidity	5% - 95% RH
Altitude	below 4000 m
Working noise	<60 dB

Dimensions & Weight

IDCE-2206S

Main tester	682 x 224 x 395 mm
Carrying case	370 x 600 x 800 mm
Weight	20 kg (main tester only)

IDCE-2415S

Main tester	910 x 224 x 629 mm
Carrying case	1100 x 900 x 350 mm
Weight	52 kg (main tester only)

Accessories

IDCE-2206S

Carry case	1 x 370 x 600 x 800 mm
Power cable	2 x 3 m cables 16 mm ²
User manual	1
AC power wire	1 x 3 wires x 1 mm ²

IDCE-2415S

Carry case	1 x 1100 x 900 x 350 mm
Power cable	2 x 3 m cables 50 mm ²
User manual	1
AC power wire	1 x 3 wires x 1 mm ²

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