

Charge & discharge Bank – BCD

The BCD range completes the popular CDP range.

This range proposes higher power than the CDP range keeping the same useful features

With these banks, the batteries can be tested in a secure environment with regulated current during the charge and the discharge

The complete BCD range is covering battery voltage from 12V to 190V and a current from 12 to 125A depending on the model.

Most of models are mobile and easily moveable in the workshop.

The charge and discharge functions are independent and can be used simultaneously to gain time.



Product Range

| Reference | Voltage setting end of charge (V) | Charger current (A) | Battery voltage Range (V) | Discharger Current (A) |
|--------------------|-----------------------------------|---------------------|---------------------------|------------------------|
| BC 120-12 D120-125 | 12 to 120V | 12A | 10 to 120V | 125A |
| BC 125-50 D120-125 | 12 to 125V | 50A | 10 to 120V | 125A |
| BC 150-32 D190-40 | 110 à 148V | 32A | 78 to 150V | 40A |
| BC 170-30 D120-125 | 12 à 170V | 30A | 10 à 120V | 125A |
| BC 190-30 D190-30 | 12 to 190V | 30A | 50 to 190V | 30A |
| Acquisition option | See FC-CDP-ACQ | | | |

Main technical specifications

Input :

- Voltage : 230Vac \pm 10% (one or two inputs depending on the model)
- Frequency: 50/60Hz \pm 5 %.
- Current : < 32A (depending on the model)

Output :

- Charger Voltage : from 12 to 190Vcc – See the range
- Charge Current : Up to 50A – See the range
- Discharger Voltage : from 10 to 190V – See the range
- Discharge Current : up to 125A – See the range
- Regulated Current

Display and Control

Charger options :

- ON/OFF Charger Switch
- I tuning potentiometer
- U tuning potentiometer
- I display
- U display
- I set / display push button
- U set / display push button
- Start cycle push button
- Programmable timer for charge cycle

Discharger options :

- ON/OFF Charger Switch
- I tuning potentiometer
- U tuning potentiometer
- I display
- U display
- I set/display switch
- U set/display switch
- Programmable timer for discharge cycle
- Start timer
- Manual/Auto switch
- Start cycle push button
- Reset cycle push button
- Standby switch
- Status LEDs
- U & I measurement contacts

Protection :

- Input fuse
- Electronic output current limitation
- Output Fuse
- Thermal
- Option : Emergency stop

Presentation :

- Mobile trolley with retractable handle
- Mains cable (Plug in option)
- Cable drum on the top and on the side of the charger
- Output cables without connector
- Power connector in option
- Connection clips in option

Mechanical Characteristics:

- Height : 1150 mm
- Width : 700 mm
- Dept : 1050 mm (without handler)
- Weight : 130 Kg
- Protection level : IP20

Thermal Specifications

- Functional Temperature : -10°C to +45°C
- Storage Temperature: -25°C to +55°C
- Humidity : from 0 to 95% without condensation

Options:

- Connection clips
- Extension cable with power connector
- Acquisition data system

Standard:

- CE certificate

FC-BCD-EN-A

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