

CHARGE / DISCHARGE MOBILE BANK



Our new range of mobile chargers / dischargers provides a solution for the maintenance of your batteries from 24V to 175V (Pb & NiCd).

Using a constant current, pre-set according to the battery specification, the charge and discharge operations can be carried out in secure conditions.

The operating voltage range is adjustable from 24V to 175V and the current range from 1A to 160A, depending on the model.

Standard models are mobile and easily moved in the workshop.

Available with powers of 6kW and 12kW (18kW on load) this range offers a new user interface using touch screen technology. The Human Machine Interface (HMI) provides great flexibility when programming your parameters, setting up your automatic maintenance operations and acquiring test results.



BCDN – TECHNICAL SPECIFICATION

INPUT

- Voltage 400V/440Vac \pm 10% three phases
230Vac \pm 10% single phase
(depending on model)
- Frequency 50/60Hz \pm 5 %
- Current 11A – 21A (depending on model)
- I/O galvanic isolation: yes

USE

The voltage is adjustable depending on the battery specification.

- Model 6000W
 - Adjustable voltage from 12V to 190V
 - Adjustable current from 1A to 160A
- Model 12000W
 - Adjustable voltage from 12V to 190V
 - Adjustable current from 1A to 160A

DISPLAY AND CONTROL

- HMI with touch screen giving access to
 - selection of charge or discharge voltage
 - selection of charge or discharge current
 - setting the charge or discharge time
 - boost, float, absorption conditions (on charge)
 - Selection of battery type (Pb, NiCd)
 - programmable charge / discharge cycle
 - remote setting and control: by web interface (no specific software)
 - settings saved and exportable
 - recording of curves and cycles
- ON/OFF switch
- Emergency switch
- Start cycle push button
- Stop cycle push button
- Standby cycle push button
- Remote control switch
- **White** indicator light mains input present
- **Blue** indicator light remote control possible
- **Green** indicator light charger On
- **Red** indication light charger fault
- **Orange** indicator light flashing - cycle in standby
steady - end of cycle

DATA / MEASUREMENT REPORT:

- Charging curve: Ubat (V), Ibat (A), t (date, hour: min), battery temperature
- Ok / fail test report according to programmed cycle (with all cycle steps and U / I T measurement)
- Data available in CSV or pdf format

PROTECTION

- Input by 3ph + E tri-circuit breaker
- Output
 - Polarity inversion
 - Short circuits (fuse)
 - Overload (electronic current limitation)

PRESENTATION

- Mobile equipment on wheels
- Input cable supplied without connector - 10m
- Output cables supplied without connectors - 5m
- Cable reel on top

COMMUNICATION INTERFACE

- TCP/IP Interface: available

MECHANICAL SPECIFICATIONS

- Height 1190 mm
- Width 558 mm
- Depth 990 mm
- Protection index IP23

ENVIRONMENTAL SPECIFICATIONS

- Operating temperature -10° C to + 40° C
- Storage temperature -20° C to + 70° C
- Humidity 0 to 95% non-condensing

OPTIONS

- Temperature probe - 10m cable
- Output connector: Andersen type, Harting
- Connection clamps
- Signal mast
- WIFI Interface
- Individual cell measurement up to 80 cells
- PIM
- IP33
- Stationary version

STANDARDS

- EN 61000-6-2 EN 62368
- EN 61000-6-4 Certificate CE