

# BATTERY DISCHARGER

230Vdc

300A dc

25kW

## Battery discharger :

- Discharge Power up to 25400 W.
- Discharge Current up to 300 A dc.

## Ultra compact : 26 kgs.

Battery maintenance operations requires to operate discharge on batteries. It is helpful to dispose of an equipment able to control the discharge and also to the preprogrammed current.

Constant current discharge controled thanks to a microcontroller.

Picture for illustration purposes only.



MDBS

## • Packaging

- Metallic Case : L = 570 - W = 270 - H = 570 mm.
- Wheels.
- Weight : 26 Kgs.

## • Main power supply

- 230 Vac Single Phase + Earth - 50 /60 Hz.
- Connection by Europa plug - Cord supplied.
- Power consumption : 150W.
- Protected by fuse.

## • Control unit

Microcontroller controlled module with backlight LCD display and function keys allowing to execute the following operations :

- Polarity detection of the plugged battery.
- Voltage detection of the plugged battery.
- Adjustment of the end-discharge voltage by  $\pm 0.1V$  steps.
- Adjustment of the discharge current by 1A steps.
- Adjustment of the discharge time from 1 minute to 10 hours.
- Commands the start and the stop of the discharge.
- Measures the current and the voltage (accuracy 1%).
- Elapsed time counter.
- Total capacity calculator.
- Serial output RS232.

## • Protection

- Protection against electrical and thermal overloads.
- Protection against miswiring.
- End-discharge voltage battery control.

## • Connectivity

- Lockable battery plugs  $\varnothing 6mm$ .
- Cables 2 x 2m - 10mm<sup>2</sup> to 50mm<sup>2</sup> according to models.
- Battery aligator clips provided.

## • Current controller unit

- Depending of requirements, it can be necessary to add, to the master discharger **MDBS**, an auxiliary load named **MCA**. (our picture).
- Electronic system allowing to maintain the discharge current.

Models	Voltage	I max	Products
MDBS7200	12 to 96Vdc	150A	MDBS
MDBS11500	12 to 140Vdc	100A	MDBS
	140 to 230Vdc	50A	MDBS
MDBS14250	12 to 190Vdc	75A	MDBS
MDBS14400	12 to 96Vdc	300A	MDBS+MCA
MDBS25400	12 to 140Vdc	200A	MDBS+MCA
	140 to 230Vdc	100A	MDBS+MCA

## • Options

- Other current or voltage ranges on request.
- **MDBSWIN** : Driving and capture software of measurements and discharge curves visualization.

Guarantee one year parts and labor. All interventions are carried out exclusively in our factory.

Due to continuous research program, these characteristics can be modified.