

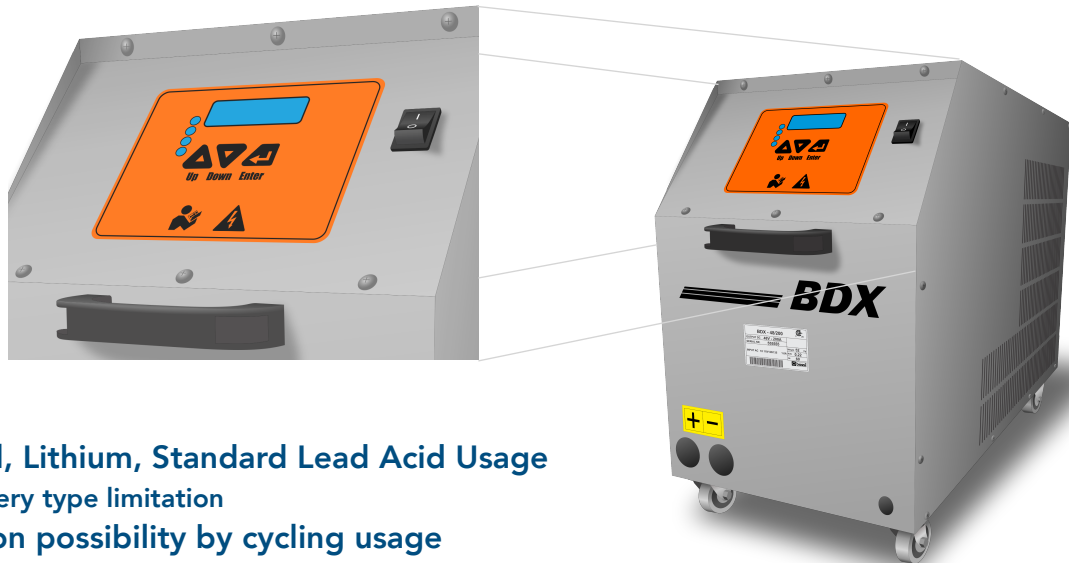


BDX

ALL BATTERY TYPES DISCHARGER UNIT

FEATURES:

- ✓ **High Frequency IGBT controlled**
with constant current discharge
- ✓ **Rugged construction**
for a maximum reliability
- ✓ **Compact and easily portable**
with wheels and fair size
- ✓ **Custom units available**
to a maximum output of 400 Volts DC
- ✓ **Programmable input datas on a digital display**
with simple follow up steps



- ✓ **AGM, Gel, Lithium, Standard Lead Acid Usage**
no battery type limitation
- ✓ **Desulfation possibility by cycling usage**
with our MVD multi-voltage programmable charger
- ✓ **Standard input at 120 Volts AC**
240 Volts AC input available on request

Standard in stock models	Output Voltage Range	Output Current Range	Size (inches)
BDX-BA3-1201P-48/200-USBC	12 - 48 VDC	0 - 200 Amperes	30 x 12.75 x 30
BDX-BA3-1201P-80/200-USBC	24 - 80 VDC	0 - 200 Amperes	30 x 12.75 x 30



SPECIFICATIONS

- **Electronic polarity reversal and anti-arcing protection (without fuses).**
An active circuit prevents any arcing between the connectors when the battery is being connected. If a battery is connected with reverse polarity, the BDX doesn't start and no current flows.
- **Auto-Test at power-on.**
When the BDX is powered, an automatic test of the control logic and power electronics is performed in less than 10 seconds. In case of components failures, the BDX remains in a safe, stand-by mode.
- **Integrated Data Logger.**
While the discharge is in progress, it's not necessary to leave a PC always connected to the BDX, because the integrated Data Logger has enough memory to save the entire discharge curve. At the end or during the test, it's possible to download the data from the BDX to the PC in seconds, or trend in real time Voltage/Current/Temperature,....
The standard connection interface is serial (mini USB).
- **Extended Analysis capability; with Service Tools**
Service Monitor is a powerful, dedicated software that extends the analysis capability of the BDX. It offers the opportunity to generate different plots of the discharge curve:
 - Battery voltage [V]
 - Discharge current [A]
 - Discharge power [kW]
 - Capacity discharged [Ah]
 - Energy discharged [kWh]Many functions are available, and very simple to use: it's possible to generate test reports with plots and comments automatically, to export the test data to external spreadsheets, to save a complete test to a single file and send it by email etc.
- **Temperature protection of all the power components and resistor bank.**
In case of internal over temperature (e.g.: blocked fans, air passages obstructed) the discharger is set automatically in stand-by mode.
- **Double cabinet, for maximum thermal insulation.**
During the operation, the external parts of the cabinet remain cold (max temperature rise is 10°C), for maximum safety for the user.
- **Heavy-duty metal wheels, with ball bearings, covered with rubber.**
The BDX can be moved easily and safely on any floor, and can operate without problems in any industrial environment.



AC INPUTS	
Standard Voltage	Range: 85-135 or 180-250 Vac, Single Phase, 250 Watts, 50/60 Hz
STANDARD MODELS	
Single Units	Battery Voltage: 12-48 V Max discharge current: 200 A
	Battery Voltage: 24-80 V Max discharge current: 200 A
	Battery Voltage: 24-96 V Max discharge current: 180 A
	Battery Voltage: 24-150 V Max discharge current: 100 A
	(Other custom units available on request)
MECHANICAL	
External dimensions/weight	30" x 13" x 21.5" H / ~ 65 Kgs
Enclosure	2 mm steel, 4 wheels kit for easy moving, RAL7032
Cooling	Forced ventilation
CONTROL AND METERING	
Digital display	Battery Voltage (Volts)
	Battery Current (Amperes)
	Time elapsed (hours.minutes)
	Discharged Capacity (Amperes-Hours)
Buttons and controls	Fully digital programming on alphanumeric display
Maximum discharge time	48 hours
PC Interface	Mini USB, PC Software (Service Tools) for data acquisition