

XD Series

Universal Battery Discharger / Analyzer / Cycler



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- Universal battery discharger with IGBT-Hybrid high-frequency control
- Robust design for maximum reliability in continuous service
- Optimized for battery cycling, testing, de-sulphation, and rejuvenation
- Compact and portable design
- Standard battery voltages from 12V a 135V
- Maximum discharge current 200 A
- Parallelable design for unlimited total discharge current
- Intelligent protection system (polarity reversal, overheat, overload)
- Tightly regulated constant current operation
- Adjustable (90 degrees), ergonomic control panel
- Integrated datalogger with USB interface, and dedicated PC software for data acquisition, analysis, and reporting
- Maximum safety, ultra-low noise operation
- Easy to use, service and repair
- Input voltages and certifications for Worldwide deployment
- Class leading warranty protection
- Automatic Cycler mode, integrated with XMV universal chargers

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DESCRIPTION

The XD is an automatic battery discharger, analyzer and cycler, design to test the efficiency of industrial batteries of any type, voltage and capacity.

The unique architecture of the power conversion system combines performance and unparalleled robustness, and it makes these systems easily customizable.

XD can support all battery lab applications: formation, testing, cycling, de-sulphation, regeneration.

A fully automatic battery cycling setup can be easily implemented by combining the unit with a XMV universal charger.

The XMV is the perfect choice for battery manufacturing facilities, testing and recovery labs, and repair shops.

XD digital control can be programmed to discharge the battery with a precisely controlled current, adjustable from zero to the maximum value of 200 A, while keeping the battery voltage under control. The system measures the total capacity (AH) discharged from the battery and logs the voltage profile, and the test is terminated automatically when the target voltage/time/capacity is reached.

The precise output control allows the generation of high-quality discharging profiles, consistent and repeatable, even in case of unstable AC input voltage and wide temperature variations.

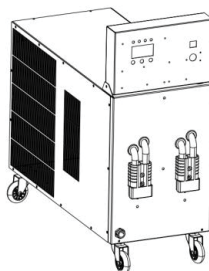
SPECIFICATIONS



| Model | XD200/12.US | XD200/12.EU | XD100/12 |
|-------------------------|--|--|--|
| Maximum Output Power | 20 kW | 20 kW | 20 kW |
| Nominal Battery Voltage | 12 - 135VDC | 12 - 135VDC | 12 - 180VDC |
| DC Output Voltage Range | 10-140 VDC | 10-140 VDC | 10-200 VDC |
| Max DC Current | 200 AMPS | 200 AMPS | 100 AMPS |
| DC Connectors | Battery port , Charger port | Battery port , Charger port | Battery port , Charger port |
| AC Input Voltage | 1x85-135 VAC | 1x230 VAC | 1x230 VAC |
| AC input power | 800 Watts | 800 Watts | 800 Watts |
| Cabinet Type | TD | TD | TD |
| Safety Standards | UL 1564 4th Edition 2015 "Industrial Battery Chargers" CSA C22.2 No. 107.2 01 - R2016 "Battery Chargers" EN IEC 61000-6-2:2019, EN 61000-6-4:2007, EN 61000-6-4:2007/A1:2011 | IEC 60335-1:2010 EN IEC 61000-6-2:2019, EN 61000-6-4:2007, EN 61000-6-4:2007/A1:2011 2011/65/EU "RoHS" | IEC 60335-1:2010 EN IEC 61000-6-2:2019, EN 61000-6-4:2007, EN 61000-6-4:2007/A1:2011 2011/65/EU "RoHS" |

DIMENSIONS

TD



mm

| | |
|--------|--------------------------------|
| Width | 335 |
| Depth | 690 |
| Height | 530 (756 with raised keyboard) |

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