

XD Series

Universal Battery Discharger / Analyzer / Cyclers




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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 12 V to 96 V
- 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 Cyclers mode, integrated with XMV universal chargers

amperis

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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.

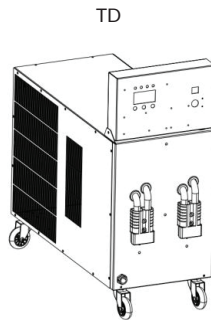
The precise output control allows the generation of high-quality discharging profiles, consistent and repeatable, even in case of unstable AC input voltage and wide temperature variations.

SPECIFICATIONS



Model	XD.200.US	XD.200.EU
Maximum Output Power	20 kW	12 kW
Nominal Battery Voltage	24-96 VDC	2-96 VDC
DC Output Voltage Range	16-130 VDC	16-130 VDC
Max DC Current	200 AMPS	200 AMPS
DC Connectors	Battery port , Charger port	Battery port , Charger port
AC Input Voltage	1x85-135 VAC	1x230 VAC
AC input power	800 Watts	800 Watts
Cabinet Type	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"

DIMENSIONS



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