

**NTDM-BC-2000-137X**  
**CONSTANT VOLTAGE - CONSTANT CURRENT**  
**2000W BATTERY CHARGER 137V 14.5A**  
**5" x 8" x 13.5"**  
**POWER FACTOR CORRECTED**

### APPLICATIONS

The NTDM-BC series of AC-DC battery chargers provides highly regulated charging output power to 2000 watts. Rugged construction and superior quality make this charger ideal for harsh environment applications. Available in standard, modified or fully custom configurations, for industrial, nuclear and military applications. This model is suitable for charging Lead-Acid and Lithium Iron Phosphate batteries.

*This NTDM-BC provides constant current to the battery until the set voltage is reached, in full compliance to the Enersys high purity battery charging protocol.*

### STANDARD FEATURES

- Active PFC
- High efficiency
- Rugged Construction
- AC Input 180-264 VAC
- Battery Temperature Compensation
- OV, OL, OT Protection
- $\pm 5\%$  Voltage Adjust
- Conformal Coated Boards
- Stainless Steel Hardware

### SAFETY AND EMISSIONS

- Designed to meet UL/cUL60950-1



### SPECIFICATIONS

#### INPUT SPECIFICATIONS

Input: Input Range 180-252 VAC 1Ø  
Input Frequency: 47-63Hz  
Inrush Current: 40A @ 230 VAC (Cold Start) max.  
Input Current: 2000W at full load 12A  
Efficiency: 85% Typical at full load  
Hold-up time: 18ms At Full Load  
Leakage Current: < 2.0mA maximum @ 230 VAC

#### OUTPUT SPECIFICATIONS

Minimum Load: None  
Regulation: Line  $\pm 1\%$  Load  $\pm 1\%$   
Ripple/Noise: 1.25V Peak To Peak Maximum  
Set Point Accuracy:  $\pm 1\%$   
Output Voltage Adj:  $\pm 5\%$   
Overcurrent Protection  
Overvoltage Protection  
Overtemperature Protection

#### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: -20°C to +50°C. Derate to 50% at +70°C  
Storage Temperature: -40°C to +85°C Max  
Cooling: Internal Ball Bearing Fan  
Humidity: 20-95% RH Non Condensing  
Weight: Approx: 14 Lbs max.  
Size: 5" (H) x 8" (W) x 13.5" (L) max. dimensions

# MECHANICAL OUTLINE

