



Models: TGZR-200-24  
TGZR-400-24

## **Exercise Machine for Lead-Acid Batteries with Daily Reliability Test**

U.S. PATENT 5635815

- Gives Notice of Impending Battery Failure with “Bullet-Proof” Reliability
- Exercises and Conditions 24V Heavy-Duty Batteries by Imitating Engine Start-up
- Simple Installation and Rugged Construction for Adapts to All Types of Cabinets and Trailers
- “Kill” Circuit Disables Exercise During Engine Starting
- Exercise and Pre-Fail Notification Greatly Extends Battery Life - Saves Replacement Costs and **Reduces need to Recycle**
- Works with Existing Charger or Optional Charger can be Provided
- Visual, Audible and Remote Alarm Contacts are Standard Equipment - Works with all Telemetry



### **Specifications**

#### **MODEL TGZR-200-24**

Battery System – 24 volt DC Lead Acid  
Application – Generator Sets through 450 KW  
Connection – Heavy Duty Battery Clips or Lugs  
Auto Cycle Test Current – 200A nominal  
Manual Test Current – 200A nominal  
Test Duration – 18 Seconds manual or auto  
Alarm Set Point – 19.5 volts  
Lockout Time (after test) – 10 minutes  
Auto Exercise Cycle – Once every 24 hours  
Ambient Temperature Range - -30°F to 110°F  
Remote Alarm (a-b dry contacts) included  
“Kill” contact (interrupts starting duty test)  
Dimensions – 17" H x 11" W x 8" D  
Weight – 25 lbs

#### **MODEL TGZR-400-24**

Battery System – 24 volt DC Lead Acid  
Application – Generator Sets through 1000 KW  
Connection – Heavy Duty Battery Clips or Lugs  
Auto Cycle Test Current – 400A nominal  
Manual Test Current – 400A nominal  
Test Duration – 15 Seconds manual or auto  
Alarm Set Point – 19.5 volts  
Lockout Time (after test) – 10 minutes  
Auto Exercise Cycle – Once every 24 hours  
Ambient Temperature Range - -30°F to 110°F  
Remote Alarm (a-b dry contacts) included  
“Kill” contact (interrupts starting duty test)  
Dimensions – 17" H x 11" W x 12" D  
Weight – 35 lbs

The **Xergizer** exercises, conditions, monitors and prolongs the life of lead acid batteries by keeping lead plates active. The daily, starting-duty test consists of a load test equal to the starting load (in watt-seconds) of an average size standby engine. During the test, an alarm activates when battery voltage falls below alarm set point. A manual test may be initiated at any time by pressing the manual test button.

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