

Mobile DC Power Services Unit

Preventive Maintenance and Replacements



Overview

Dependable DC Services Delivered to Your Doorstep

When critical facilities such as hospitals, 911 call centers, airport operations, chemical plants, refineries, or power plants can't afford to compromise critical power, a mobile power solution from High Voltage Maintenance (HVM) that is safe and secure is ideal for performing DC system maintenance required by the North American Electric Reliability Corporation (NERC) and the Federal Energy Regulatory Commission (FERC).

With the Mobile DC Power Services Unit, High Voltage Maintenance can confidently perform all required battery inspections, tests, and replacement services at a plant or facility.

With the industry's most reliable power solution, customers gain peace of mind knowing that their critical infrastructure is protected throughout the maintenance process.

Benefits:

- Achieve NERC/FERC compliance
- Enhance safety
- Ensure zero business interruptions during critical power maintenance
- Have a reliable power source when and where it's needed

Utilize a reliable mobile power solution for safe and secure DC system maintenance and battery replacement.

Maintaining the batteries that protect your power system is critical to protecting your facility from downtime and ensuring regulatory compliance. However, DC system maintenance poses a risk to your critical operations. If a power dip occurs or a critical load is dropped during DC service or testing, the results could be disastrous.

The Mobile DC Power Services Unit from HVM is custom designed and factory engineered to ensure dependable, convenient temporary power during NERC-required DC system maintenance.

Each Mobile DC Power Services Unit is:

- Fully equipped with state-of-the-art power and ancillary safety equipment to quickly provide comprehensive DC services for both planned and unplanned site outages
- Engineered to completely support and back up your facility's critical load
- Completely mobile to provide on-site services





Equipment & Features

- DC battery charger
- VRLA battery string
- Albér® test set
- Albér® battery load banks, sensor lead cables, and monitoring
- Configurable battery units to accommodate multiple strings and voltages

Power Transfer

- Color-coded cable system for accurate connections every time
- Six, 25-foot 4/O cables with Anderson connectors for superior capabilities and ease of connection
- Heavy-duty cable trays with cable tray struts and lead cable hooks for dependable cable system management
- Multi-colored voltage selectors to support various power requirements
- Voltage meters to monitor voltages between the primary power source and backup power

Built-In Safety Features

- Fire extinguisher
- Portable eye-wash station
- Factory-tested hydrogen detector
- CO² and smoke detection systems
- Diamond-plate reinforced floors for durability and slip protection
- Wall-mounted, up-to-date one-line schematic for easy system identification
- State-of-the-art thermal runaway detection system
- Permanent tongue-mounted, diesel generator

Circuit Protection

- Onboard AC and DC circuit protection
- AC distribution panel with isolated circuits to control the battery charger, monitors, meters, and LED trailer lights

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