



NEVER GET STRANDED IN THE FIELD.

Get reliable on-site and mobile solutions with HDM's full spectrum of battery and power management.

FULL POWER, WHEN AND WHERE YOU NEED IT.

HDM designs, manufactures, and implements battery management equipment for rugged environments to keep your equipment running. We're committed to delivering mission-critical power sources for systems and mobile devices where they're needed most, and we do so by negotiating power consumption to maintain energy efficiency. All of our products are designed for long-lasting durability, with waterproofing and materials that stand up to your toughest challenges.

We are proud to offer **USA-made** power equipment and components to support businesses and our military. It is our belief that the future is everyone's responsibility, and we are doing our part to provide clean, efficient energy alternatives that are environmentally safe and responsible.

HDM CORE PRODUCTS - Inverter and Inverter/Chargers

HDM's lineup includes Pure Sine-Wave Inverters, VISTER Inverter, and Inverter/Charger combo to provide you with superior AC power sources. We cater to complex electrical requirements and frequency-sensitive equipment for rugged environments, giving you durability and reliability when and where you need it.

PURE SINE WAVE INVERTER

- Available up to 10,000W (24VDC version) continuous power
- Pure sine-wave output – THD <3%
- Available in 12VDC, 24VDC, 48VDC, 100VDC and 350VDC configurations in both 120VAC/60Hz and 220VAC/50Hz
- Parallel capability for optimized load sharing – Up to 12,000W
- 3-Phase 120/208VAC configurable – Up to 10,000W
- Automatic circuit protection – electrical and environmental
- LED status indicators with a diagnostic scheme
- Sealed and vibration-proof construction



VISTER INVERTER & INVERTER/CHARGER

- Available up to 3000W continuous (12VDC) modified sine wave inverter
- High surge capability – Up to 3x rated power
- Available up to 850W multi-stage AC charger with advanced charging technology
- Available in 12VDC and 24VDC for both 120VAC/60Hz and 220VAC/50Hz
- Automatic circuit protection – electrical and environmental
- LED status indicators with a diagnostic scheme
- Built-in automatic transfer switch
- Sealed and vibration-proof construction



HDM CORE PRODUCTS - Battery Fuel Gauge, Equalizer and Separator

Keep an eye on your battery's State of Charge and State of Health with HDM's Battery Fuel Gauge. Maintain an equal voltage across series-connected batteries with HDM's Battery Equalizer. Prioritize multi-bank battery charging on your vehicle with HDM's battery separator. Ensure on-demand engine startup boost, and prevent excessive battery drain at each cycle. More control, more power.

BATTERY FUEL GAUGE



- Real-time battery information – SOH, SOC, Time (Hr), Voltage (V), Current (A) and Temperature (T) for system, string, or individual battery performance (up to 6 batteries) via display, CAN-Bus, or RS232
- Available in 12VDC, 24VDC, & 48VDC configurations
- Automatic self-calibration and continuous monitoring
- Voltage transient protection
- Waterproof and ruggedized construction (sensor)
- NSN: 2590-01-577-4183n

BATTERY EQUALIZER



- Available in 24V/12V, 48V/12V, & 48V/24V configurations
- Up to 5ADC maximum equalization pulse current
- Advanced bi-directional circuitry provides automatic equalization during charge, discharge or idling
- Utilizes patented passive energy transfer technology
- Ideal for high voltage systems in series-connected string
- LED status indicator with battery diagnostic scheme
- Protection against under/over voltage and over current conditions
- Easy installation and maintenance-free operation
- Meets IP65 ingress protection requirements

BATTERY SEPARATOR



- Available up to 500ADC continuous in 12VDC, 24VDC, & 48VDC configurations
- Intelligent microprocessor-controlled charge priority technology
- Uni or bi-directional configuration
- Automatic under/over voltage protection
- Auxiliary start feature – combines the main and auxiliary bank
- Voltage transient protection
- Ignition-proof construction
- Available with IP65 option

HDM ADDITIONAL PRODUCTS



INMSW MODIFIED SINE-WAVE INVERTER

- Available up to 600W continuous modified sine-wave inverter
- High surge capability, power density, and efficiency
- Compact and lightweight



IX, IX-LI (LITHIUM-ION) BATTERY CHARGERS

- Available up to 2500W in constant voltage/current or 3-stage charge mode
- Typical or universal input range – 120VAC, 220VAC, 100~240VAC
- High efficiency with PFC (Power Factor Correction) option