COMPREHENSIVE TRAILER SYSTEM FEATURES

STANDARD

System Equipment

- Hydrogen detector with mitigation system
- AC power annunciator control panel
- DC power annunciator control panel
- Fused safety disconnect switch for battery system isolation
- AC distribution panel rated at 240Vac/100Aac with branch breakers
- AC power cable reel equipped with 75 ft of 4 wire SO #6 AWG cable
- DC power cable reels equipped with 75 ft of 3/0 AWG cable each positive (red) and negative (black) dc cable on reel
- First aid kit and eye wash station
- Fire extinguisher (10 lbs)
- Interior 120Vac lighting
- Ventilation fan, thermostat controlled
- External stainless steel ground plates welded to trailer
- 5-year standard battery charger warranty
- Complete set of electrical and mechanical drawings
- On-site system orientation and start-up services by factory personnel

Trailer Features

- 100% steel frame construction with aluminum exterior
- Dual-axle with Torflex® Suspension
- Spray on blended polyurethane floor coating
- Pintle-hitch with adjustable pintle eye
- Rubber wheel chocks
- Limited 10-year trailer warranty
- Side-mounted air vents
- Rear stabilizing jacks for added stability
- Utility grade breakaway switch
- Customer specified tow vehicle connector
- Interior 12 Vdc lighting powered by tow vehicle
- External LED lighting
- Side hinged rear doors
- Trailer breakaway battery with trickle charger

Typical trailer weight, equipped with a 200AH battery, ranges from 5000-8000lbs
(weights listed are approximate and may vary).

OPTIONAL

- Dual battery charger configuration to provide redundancy
- Additional 120/240V single-phase trailer ac inputs
- Battery spill containment system
- Tongue-mounted, gas-powered ac generator
- Curb-side personnel door *(only available with 14 foot trailer option)*
- Storage/Tool Box mounted on trailer tongue or interior wall mount
- DC-to-DC Converters*
- Dual battery systems
- Thermostat controlled roof-mounted air conditioner
- Thermostat controlled, convection heater
- Battery load bank
- Small interior work surface
- NiCad Battery Bank

** Generates 24 or 48 Vdc from 130V Battery. Tapping the 130V battery is not recommended.*

HOW TO DESIGN AND SPECIFY YOUR MOBILE DC POWER SYSTEM

TR												
A	B	C	D	E	F	G	H	J	K	L	M
STANDARD FEATURES					ADDITIONAL FEATURES						

	DESCRIPTION	CODE	FEATURE
A	SERIES	TR	MOBILE DC POWER SYSTEM
B	TRAILER LENGTH	08	8 FOOT TRAILER
		10	10 FOOT TRAILER
		14	14 FOOT TRAILER
C	OUTPUT VOLTAGE I	024	24V
		048	48V
		130	130V
D	OUTPUT VOLTAGE II	XXX	NONE
		024	24V
		048	48V
		130	130V
E	CONVERTER	C	YES
		X	NO
F	INPUT VOLTAGE	120	120V
		240	240V
		MUL	120/208/240V

	DESCRIPTION	CODE	FEATURE
G	HVAC	H	HEATING
		C	AIR CONDITIONING
		B	BOTH HEATING & AIR CONDITIONING
H	GENERATOR	X	NONE
		1	5 KW
		2	6.5 KW
J	LOAD BANK	L	YES
		X	NO
K	CURB SIDE PERSONNEL DOOR (only available with 14 foot trailer option)	D	YES
		X	NO
L	TOOL STORAGE	T	YES
		X	NO
M	BATTERY SPILL CONTAINMENT	S	YES
		X	NO

*Note: Our standard battery charger offering is an AT10.1 25Adc output for a 130Vdc battery and a 12Adc output for 24/48 Vdc batteries.

BATTERY SELECTION

Battery Selection is a unique choice usually determined by customer performance, current supplier, and past experiences.

We can accommodate virtually any type of battery. Our racking system and spill containment (if required), is custom designed based on battery type and configuration.

We recommend using a ***Valve Regulated Battery***. Additionally, we can assist you in specifying batteries if desired.

*Note: Physical battery dimensions may dictate trailer size.

Specify Your Battery

Battery Type: _____

No. of cells: _____

Your Tow Vehicle Electrical Connection Type

Please specify your tow vehicle's 12Vdc electrical connection to the trailer for brake and signal light operation.

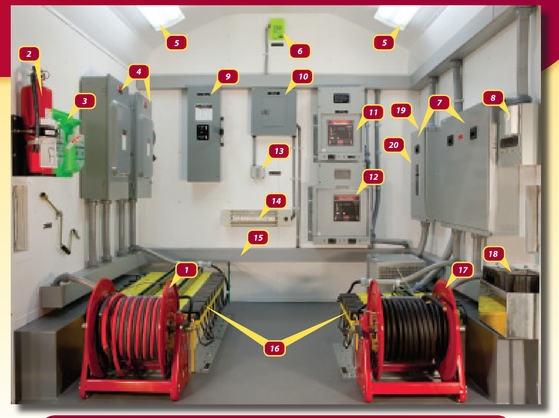
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1. DC cable reel
2. Fire extinguisher (10 lbs.)
3. Portable eye wash
4. Battery disconnect
5. Fluorescent lighting
6. Hydrogen Sensor
7. AC/DC control panels
8. Environmental Controls & Switches
9. Generator Transfer Switch
10. AC distribution panel
11. 48V battery charger
12. 130V battery charger
13. GFI Service outlet
14. Convection Heater
15. Wire Raceway
16. VRLA Battery
17. AC cable reel
18. Rubber wheel chocks
19. Mounted Engraved System Schematic (not visible)
20. Wall mounted manual pocket (not visible)

Other Products Available from HindlePower:

AT10.1 Microprocessor Battery Charger	JF5006	SCR/SCRF Series Utility Battery Charger	JF5010
AT30 Microprocessor Battery Charger	JF5018	UMC Universal Maintenance Charger	JF5008
AT Series Options & Accessories	JF5020	Single Cell Charger	JF5007
AT Series Communications Module	JF5014	EPIC Console	JF5043
AT-DC Series Distribution Panel	JF5032	Best Battery Selector	JF5048

This product distributed by:

HINDLEPOWER
Quality & Integrity - Our Passion

1075 Saint John Street • Easton, PA 18042 • phone: 610.330.9000 • www.hindlepowerinc.com

JF5041-00 - Rev. 1A (02/2026)

JF5041-00

MOBILE DC POWER SYSTEM

Custom Engineered for Maintenance and Emergency Backup



In need of a Mobile DC Power Solution?

- *Perfect for substation maintenance, NERC compliance testing, and emergency back-up*
- *Facilitates NERC compliance for battery maintenance and system reliability*
- *"On Demand" mobile power designed to go where you need it*
- *100% factory engineered and built for product integrity*
- *Plug 'n play connections for immediate access*
- *Patent pending H^2 ventilation system*

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What is the Mobile DC Power System?

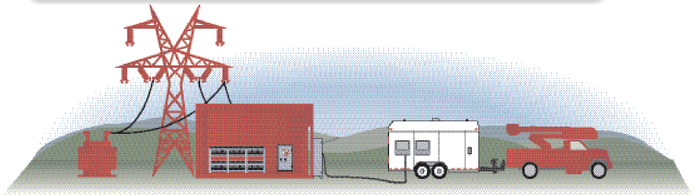
The Mobile DC Power System is a custom engineered, road-capable trailer designed for substation maintenance and emergency power applications. This system is equipped with battery chargers, batteries, ac and dc meters and controls, external power connections and ancillary safety equipment. "Custom engineered" means the ability to offer you a system designed to meet your specific requirements. We offer a host of options including an ac generator and load bank equipment to allow you to test battery capacity. Flexibility in design and versatility of use makes our Mobile DC Power System a "powerful" tool for maintenance and system reliability.

How does the Mobile DC Power System solve my need for back-up power?

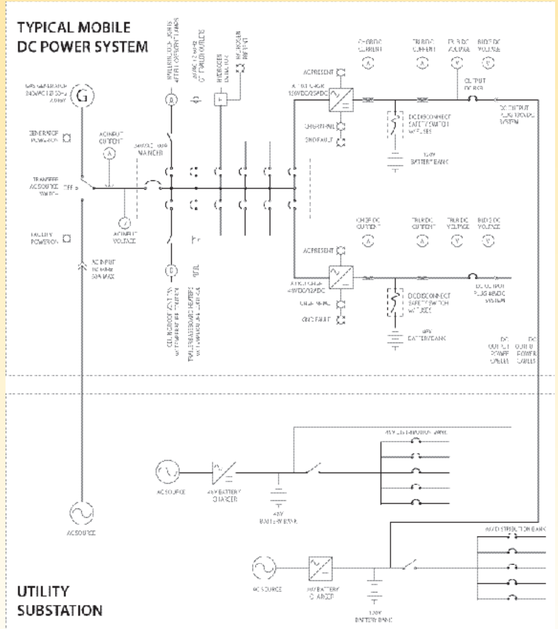
This mobile power unit acts as both an emergency back-up for site failures as well as a temporary power source when conducting required dc system maintenance. With all necessary power and safety equipment engineered and packaged in a "plug and play" fashion, the trailer offers a ready solution to quickly provide power for both planned and unplanned site outages. Industry demands for system reliability can be verified by allowing you to carry out critical procedures in accordance with NERC/FERC maintenance guidelines.

How does the Mobile DC Power System function and why is it necessary?

The system is fully tested and operational upon start-up. External ac and dc power receptacles allow you to quickly energize and use this system on demand. Externally mounted control panels provide ac and dc metering, along with alarm indicators, to provide real-time diagnostics and power connections.



SAMPLE ONE LINE DIAGRAM
MOBILE DC POWER SYSTEM



STANDARD FEATURE HIGHLIGHTS



DC Annunciator Control Panel
External wall-mounted panel provides dc power diagnostics and external, weather-proof receptacle for making dc cable connections. Panel includes circuit breaker for dc output protection. DC voltmeters, dc ammeters and alarm indicators in mimic panel format offer quick analysis of dc system functions.



AC Annunciator Control Panel
Mounted adjacent to the dc output panel, this external wall-mounted panel offers ac power diagnostics including an external, weather-proof, twist lock receptacle for making ac power connections. Panel includes circuit breaker for ac input protection.



AT Series Battery Charger
Versatile microprocessor-controlled, SCR based battery charger designed for stationary power applications. Available in both single-phase and 3-phase ac inputs, with a variety of dc output voltage and current ratings.



Wire Raceway
All internal wiring routed and organized via wire raceway for ease of installation and organization.



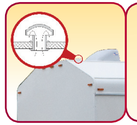
Battery Racks
Our custom battery rack design accommodates a variety of battery configurations. Valve-Regulated batteries are recommended in these mobile systems to minimize the risk of electrolyte spillage from wet-cell type batteries while trailers are in transit.



System Documentation
A complete set of system start-up and equipment operating instructions are included with the Battery Material Safety Data Sheet (MSDS).



DC Disconnects
Rated at 250Vdc with dc current rating from 30 to 1,200 Amperes. Ideal protection for isolation or battery maintenance and replacement applications. These wall-mounted devices are UL-approved.



H^2 Venting
H^2 Gas ventilation accomplished by our patent pending two-step design. The "hip" roof design creates a dome effect directing any potential gas to the top of the ceiling. H^2 gas exits via two roof-mounted snorkel vents and a hydrogen sensor controlled ceiling fan.



Safety
Portable eye-wash station and fire extinguisher are included and pre-mounted for quick access. All internal trailer components are clearly labeled with engraved nameplates. Laminated system schematic mounted internally for system identification.



Cable Reels
Heavy duty ball-bearing reels for ac and dc power cable storage.

OPTIONAL FEATURE HIGHLIGHTS





NERC Compliant Load Testing
Optional dc power resistive load bank available for conducting NERC compliant battery discharge tests. Various sizes are available; please consult factory.



Curb Side Personnel door
Allows quick and easy access to trailer without the need to open rear doors.



Generator
Portable tongue-mounted gas generator with pad-lockable aluminum enclosure available for independent ac power source. Common sizes include 5 and 6kW. However, a variety of generator outputs are available. Please contact the factory for additional information.



Storage/Tool Box
Exterior trailer tongue-mount or interior wall-mount storage cabinet. Versatile steel box for storage of tools and spare parts. Exterior enclosure made of road worthy, rugged, diamond-plate aluminum designed to withstand the elements.



Battery Spill Kit
Industry standard clean-up kit consisting of neutralizing agent and personal protection gear for use in the event of battery electrolyte spillage.



Multiple Input Voltages
Trailers equipped with 240Vac, single-phase input. Optional 120/240Vac or 208/240Vac, single-phase inputs available.



DC-to-DC Converters
Offer flexibility as an alternative to using a dedicated battery and charger for 24 or 48 Vdc as a source for continuous dc load requirements.



Climate Control
Trailers can be equipped with thermostat controlled convection heating and/or optional roof-mounted air conditioning based on application and climate requirements.