



HINDLEPOWER



The Complete Solution for placing your DC System Anywhere

EPIC
CONSOLE 2.0



hindlepowerinc.com | 610-330-9000

JF5056 R006

Introduction



PURPOSE

HindlePower's EPIC Series Console 2.0 is designed to maximize DC system performance and battery life, saving YOU time and money. This NEMA 3R modular enclosure, with built-in intelligence, will safely house any combination of batteries, chargers, DC distribution, and/or other ancillary equipment. Equipped with the HindleHealth System, the EPIC Series Console 2.0 will keep your battery at the ideal temperature in the most extreme of environments, giving you peace of mind.



CUSTOM

Built in the USA, the EPIC Series Console 2.0 is an enclosure you can truly make your own. An adaptable assembly offers traditional outdoor cabinet configurations to meet or exceed your specific requirements. Having an open mind and "can do" attitude allows us to tailor a turn-key solution specific to your exact needs, giving you system reliability every time.



ABOUT HINDLEPOWER

For over 40 years HindlePower has continued its proud tradition of empowering utility dc system reliability. We offer a comprehensive portfolio of products including Stationary Float Battery Chargers, DC Power Consoles, and Mobile Power System Trailers. HindlePower's products fulfill a variety of dc power applications throughout the Utility Industry in both Power Generation and Transmission & Distribution.



WHY CHOOSE US



Over 40 years of experience and knowledge in utility dc systems.



A "Before, During, and After the Sale" philosophy that ensures complete customer satisfaction right from the start.



A full team of engineers, draftsmen, and application engineers working with you to get the best quality product.



An emphasis on education: all our training is offered at no cost to you.



Industry leading 5 year warranty.



Made in the U.S.A.



Modular Design

- ◇ Outdoor NEMA 3R modular design that can accommodate any configuration of batteries and DC power equipment.
- ◇ A great alternative for substations with limited interior space, allowing for consolidation of your DC power system.
- ◇ The EPIC Series 2.0 Console is not a block-style building and is not subject to typical construction requirements.

Environmental

- ◇ Outer console panels injected with R-12 foam insulation to ensure efficient thermal control.
- ◇ HVAC keeps batteries at 77°F (25°C) when the outdoor ambient temperature rises up to 122°F (50°C), and at 68°F (20°C) when outdoor ambient temperature drops to -40°F (-5°C).
- ◇ Alarming via HindleHealth® (System) when internal ambient console temperatures reach critical levels.

Microprocessor Control

- ◇ Cohesive environmental control that intelligently integrates options and 3rd party equipment.
- ◇ By creating equipment synergy, the EPIC 2.0 console is the common point of communication for all HindlePower equipment.
- ◇ Equipped with HindleHealth® diagnostic system.

Safety

- ◇ Isolates battery compartment from the DC power electronic components.
- ◇ Hydrogen mitigation per IEEE 1635.
- ◇ UL 508, IEEE 693 seismic certifications, industrial control equipment, eyewash, smoke detectors, and fire extinguishers

Standard Features

Benefits and Capabilities



Temperature Control

- Continuously monitors internal temperature.
- Will control A/C and Heater to maintain set temperature.



Hydrogen Mitigation

- Proactive approach to Hydrogen Mitigation.
- Purges the air based on battery AH capacity and technology.



Battery Charger Status

- Will give status of battery charger alarms and operation.



Complete Monitoring

- Get status of any or all 3rd party equipment installed inside the EPIC console.



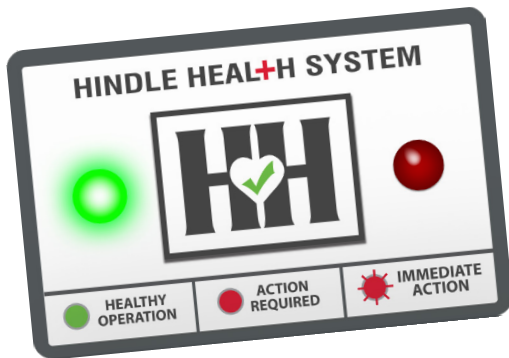
Hindle Health System®

- Provides easy to use setup wizards and maintenance checks ensuring system health.

Designed to give you the peace of mind that your system is working correctly. The green LED indicates that there are no problems with your system. The red LED will notify you if anything is out of the ordinary.

Under the hood, the Hindle Health System® has been optimized to fit each product's specific application. Whether it be overall system protection, help with trouble shooting, or streamlining maintenance... the Hindle Health System® has your back.

Standard Features



HINDLE HEALTH SYSTEM

An intuitive diagnostic and control platform that performs system control and alerts the user of internal component issues. External door-mounted green and red indicators provide real-time status of the EPIC 2.0 Console.

Epic Controller	Interactive HMI that operates, configures, and provides both cabinet and system alarms.
Insulation	Console walls and doors are made up of injected foam insulated panels.
Hydrogen Mitigation	Purges the air based on IEEE 1635 standards.
Battery Racking	Comprised of standard P1000H3 Unitstrut to accommodate a variety of battery sizes.
Weather-Sealed	A recessed drip edge and inter-panel foam gasketing ensures protection from weather.
3 Point Latching	Ensures proper sealing and intrusion protection.
LED Lighting	Internal 12Vdc lighting in all sections with timer switch.
Eyewash Station	Two bottle portable eye wash door mounted in battery bay.
NEMA-2 Ground Bus	Convenient means to tie the console to the building ground.
15A GFI Outlet	120Vac, 15A duplex outlets for maintenance use.
Wire Labels	Internal wiring labeled for easy identification.

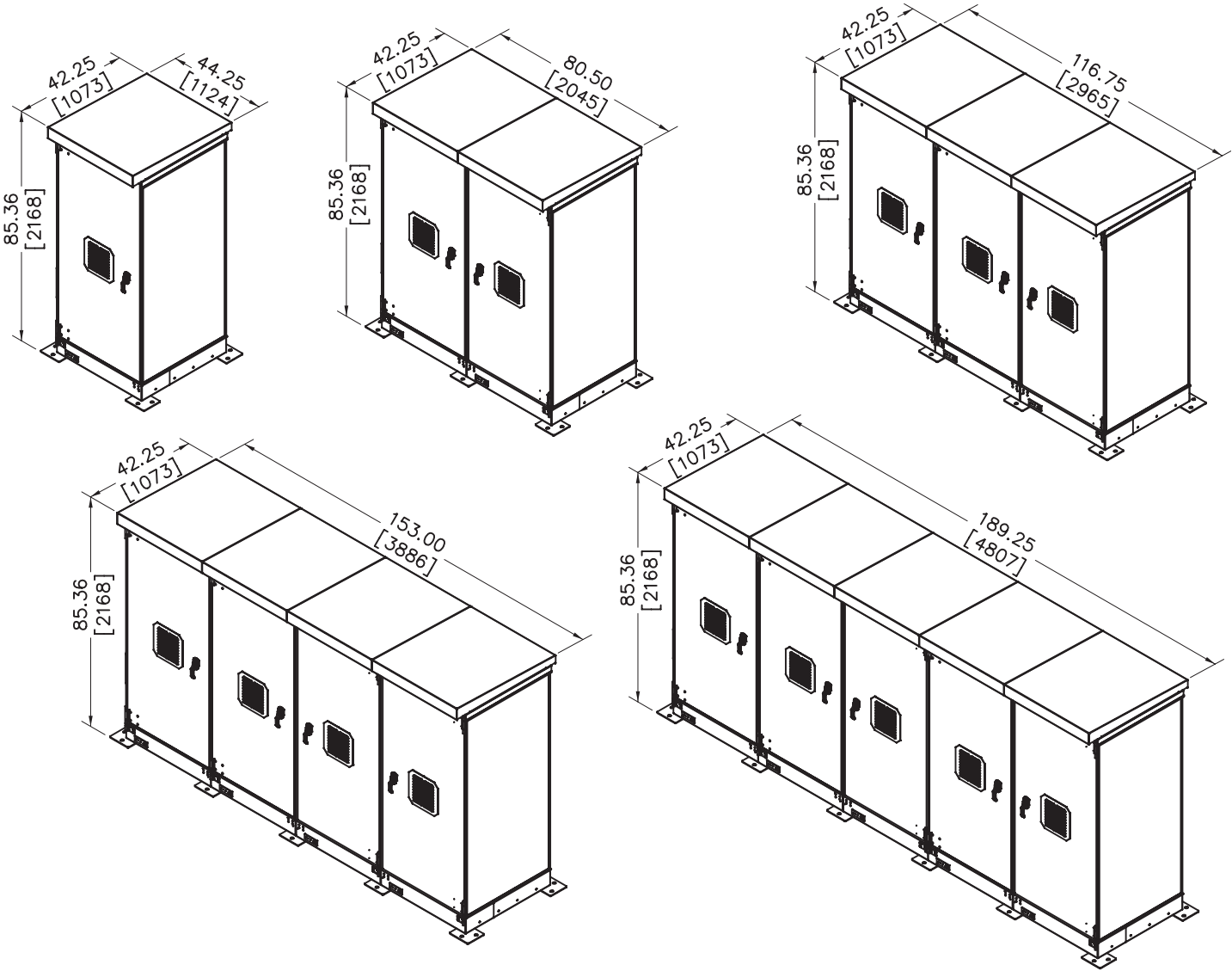
Optional Features



Comprehensive List of Options

Rear Doors	Allow for easy access on both sides of the enclosure.
Heating System	Battery bay heating utilizes forced air and is controlled by the EPIC controller.
Air Conditioner	Battery bay cooling is managed through the use of the EPIC controller and A/C units.
Seismic Bracing	Secures enclosure during seismic events. Meets IEEE 693, CBC 2013 and IBC 2012.
Spill Containment	Spill trays and pillows protect from hazardous battery spills and leaks.
Hydrogen Detection	Provides alarm output when hydrogen levels exceed 1 or 2%.
Fire Extinguisher	Easily accessible for quick access in the event of an emergency.
Smoke Detectors	Provide alarm output in the event of smoke build-up.
Lifting Straps	Lifting strap kit provides ease of transporting and lowering onto a concrete pad.
Custom Colors	Customize your console with any paint color.
Stainless Steel	Stainless Steel finish provides protection against environmental corrosion.

Enclosure Drawings



* Larger cabinets available.
* Five door and larger require modular connection in field.

Specifications

SIZE	Height - 85.36"
	Depth - 43"
	Width - 36.25" increments - Unlimited
PROTECTION	NEMA 3R
	IEEE 1635 Ventilation and Thermal Management of Batteries for Stationary Applications
	HindleHealth [®] System
CERTIFICATIONS	IEEE 693 'High'
	UL 508
INSULATION	Walls - R12
	Floor - R6
	Ceiling - R12
THERMAL PERFORMANCE	65°F/19°C internal at - 40°F/°C exterior ambient
	77°F/25°C internal at 122°F/50°C exterior ambient
COMMUNICATION	DNP3.0 Level 2/Modbus over Ethernet, and RS-485
FINISH	White/Grey polyester, powder coat
WARRANTY	5 Year

OUR WARRANTY

Industry leading warranty with best in class customer service. All HindlePower products are warranted to be free from defects in material and workmanship for a period of five (5) years from date of manufacture. All products are made proudly in Easton, PA.

CONTACT US

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