



**INSTANT
EDGE** / **DEPLOY.
CONNECT.
COMPUTE.**



PORTABLE **EDGE** **DATA CENTER**

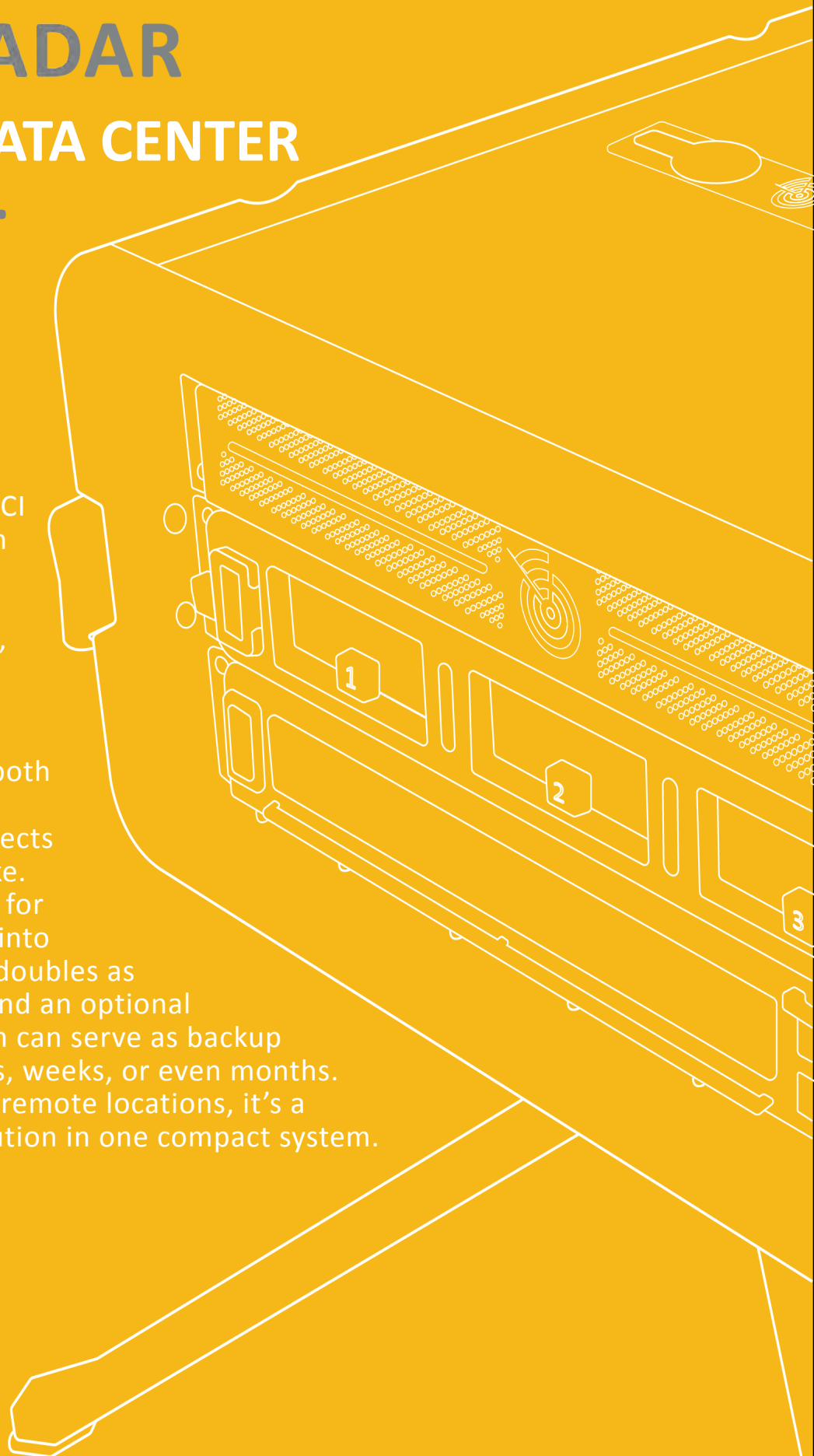
DATASHEET MODEL : HR-EDC-4U-X



A PORTABLE DATA CENTER - REIMAGINED.

Designed for every industry and built to be affordable, the Portable Edge Data Center delivers enterprise-class performance anywhere – instantly, right out of the box. Certified with leading HCI vendors and compatible with your preferred platforms, it packs compute, networking, security, and internet (wired, cellular, or satellite) into a rugged carrying case.

Futuristic LED lighting adds both unique and status visibility, while an elevated stand protects against dust and debris intake. Every element is engineered for a dual purpose: lids convert into field desks, foam packaging doubles as reusable travel protection, and an optional smart off-grid battery system can serve as backup or power operations for days, weeks, or even months. From fixed sites to the most remote locations, it's a complete, resilient edge solution in one compact system.



HIVERADAR **ADVANTAGE**



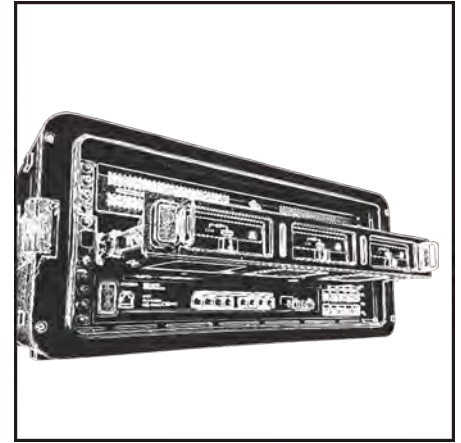
PHILOSOPHY

Backed by experience building the first airline-friendly wireless survey kit, trusted by top telecoms.



PRACTICAL INNOVATION


Transforms in minutes from rugged case to data center and mobile workspace, mission-ready.



SUPERIOR CRAFTSMANSHIP

Precision-built with premium materials, from carbon fiber masts to custom racks and LED lighting.

KEY **DIFFERENTIATORS**

-  **Portable & Innovative Design** – Deploy anywhere, in minutes.
-  **Hybrid Cloud Resilience** – Operates even during outages.
-  **AI-Ready Compute Edge*** – Run inference and analytics locally.
-  **Secure Unified Connectivity Fabric*** – Starlink + 5G, PCI DSS compliant.
-  **Ultra-Efficient** – On-grid or off-grid, hours to days.
-  **Plug-and-Play Deployment** – Zero-touch setup, instant operation.
-  **Multi-HCI Software Vendor Support** – Compatible with major HCI stacks.
-  **Modular & Scalable Architecture** – Upgrade or swap components easily.

SAVINGS **CALCULATOR**

Edge Efficiency Calculator

Discover how much you can save by switching to HiveRadar Portable Edge Data Centers. Our interactive calculators show both upfront and ongoing savings—helping you make data-driven decisions for smarter, faster deployments.



Scan the QR Code to access:

- **Deployment Savings Calculator**
- **Operational Efficiency Calculator**

Hiveradar Portable Edge Data Center

- Not Just Another Box

REDEFINE PORTABLE EDGE COMPUTING

Portable. Practical. Powerful

The P-EDC is more than a rack in a case. It's an edge data center reimagined- affordable, vendor-neutral, and engineered with the field in mind and the flexibility to work for any business, big or small.

PHYSICAL SPECIFICATIONS

- 4U Wheeled Variants

Tough Outside. Smart Inside.

Form Factor

Rugged 4U rolling case with integrated CoreFrame™

External Dimensions

24" × 22" × 10.2"

Gross Weight

85- 95 lbs

Special Feature

Exterior Hi-Visibility LED

Total Height

Up to 8.4ft (257cm) with pole extended

Mounting

Integrated mount points for support legs & telescoping mast

Multi-Functional Lids

Convert into bench and work desk surfaces

Integrated Cooling

Equipped with built-in active cooling, with fan speed automatically adjusted based on internal temperature.

Integrated Storage

Accessories and connectivity gear storage (varies by model)

** Customizable for MoQ for a nominal fee*

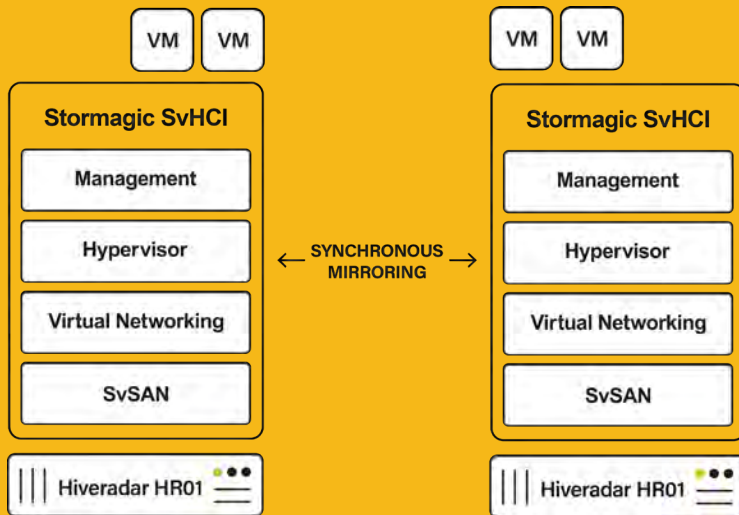


EDC Health Monitor

- Built-in monitoring hardware & local web dashboard
- Future ready- Fleet management & integrations
- Power monitoring & connected UPS status
- HCI cluster health (supported vendors)
- Network stack health & diagnostics



Powered by StorMagic SvHCI



StorMagic SvHCI is a lightweight, edge-focused hyperconverged infrastructure (HCI) solution that incorporates hypervisor, software-defined storage, and virtualized networking into a single software stack.

By pairing SvHCI with HiveRadar's Portable Edge Data Center, your organization can virtualize your entire infrastructure with the high availability and failover capability to ensure your applications remain online and operations are uninterrupted – wherever you are in the world.

How does StorMagic SvHCI help you?



Built for real people in real-world situations. Reliable IT for the challenges your organization faces at the edge – high latency, low bandwidth conditions.



No hidden complexity. StorMagic SvHCI is easy to manage, so your teams stay confident and in control. Manage all sites from a single location and avoid needing onsite IT expertise.



Our technology works with you, not against you. Simple deployment gives you more time to focus on other aspects of your organization.

Full-featured HCI



Virtualization

Hypervisor technology built upon Linux KVM and QEMU, networking based on Open vSwitch



Live Migration of VMs

VM failover in under 30 seconds



Edge Control

Provides single-screen management console for all clusters running SvHCI



Non-disruptive Software Upgrade

No downtime or disruption



Software RAID and Intel VROC support

No need for physical RAID controllers



High Availability

Protect up to 50 VMs per HiveRadar Portable Edge Data Center



VM-level Snapshots

Retain up to 16 crash-consistent snapshots per VM



VM Import/Export

Add and remove VMs from a system in OVF/OVA format



VMware VM Import Utility

Scripted process to bring VMs across from VMware environments

System requirements & compatibility

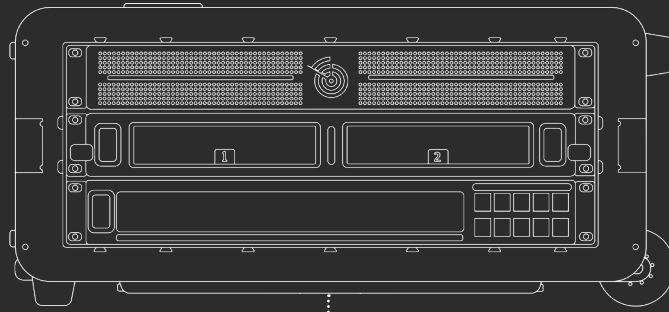
SvHCI has extremely low system requirements because it has been designed specifically to be deployed in edge environments. This liberates the resources within your HiveRadar cluster to run the applications you need, without SvHCI's RAM or disk requirements getting in the way. For up-to-the-minute system requirements information, refer to the StorMagic SvHCI data sheet.

Deploy what you want and in the way you want it. Run VMs within your Portable Edge Data Center using all major guest operating systems – Windows, RHEL, SUSE, Ubuntu, Debian and Rocky. For the very latest list of SvHCI's supported guest operating systems, refer to the StorMagic SvHCI data sheet.

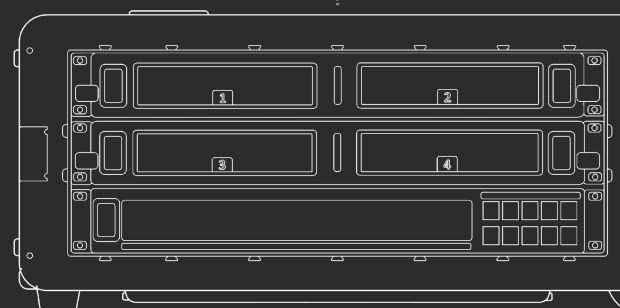
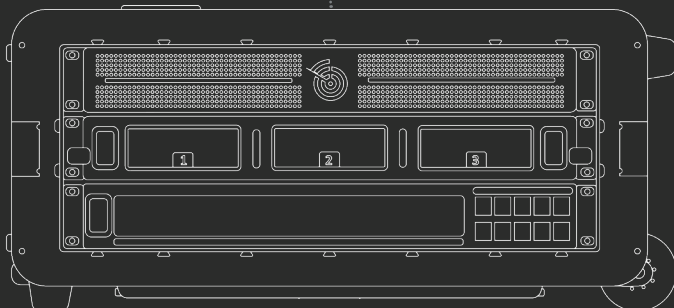
Purpose-built HCI software for the edge

Edge environments are varied, unpredictable and often have very specific requirements. StorMagic SvHCI has been designed specifically to address the challenges thrown up in these circumstances. It is enterprise-grade software that avoids the complexities of typical, bloated datacenter-class solutions. Instead, you benefit from lightweight software that tolerates poor latency and low bandwidth while delivering a virtualized environment and keeps you operational. Your remote mines keep running, your battlefield support stays online, your container ships keep moving. Whatever your virtualization needs, StorMagic can solve your challenges. Visit <https://stormagic.com> for more information.

HCI COMPUTE OPTIONS



Model	HR-EDC-4U-NUC	HR-EDC-4U-HR01-2	HR-EDC-4U-HR01-4 <i>(Coming soon)</i>
Compute Nodes	3 × NUC Pro	2 × HR-01	4 × HR-01
Max Cores	48	28	56
Max Memory (DDR5)	288GB	192GB	384GB
Max Storage (NVMe)	24TB	48TB	96TB
Connectivity (per Node)	2 × 2.5Gb RJ45	2 × 2.5Gb RJ45 + 2 × 10Gb SFP+	2 × 2.5Gb RJ45 + 2 × 10Gb SFP+
Best For	<ul style="list-style-type: none"> Fixed or mobile edge environments Disaster response operations Expeditionary and rapid-deployment missions Field offices and remote sites Off-grid operations 	<ul style="list-style-type: none"> Fixed or mobile edge operations Emergency and expeditionary missions High-throughput storage workloads Remote and temporary field offices Off-grid and disconnected deployments 	<ul style="list-style-type: none"> High-throughput edge workloads Fixed or mobile edge deployments Maximum usable storage capacity Enterprise and remote-site HCI



MODEL: HR-EDC-4U-NUC

Integrated LED lighting

Airflow Intake Panel

- For optimal cooling and efficiency

Edge HCI Cluster

Backlit 3-node rackmount cluster

- Tool-free service access for quick maintenance
- Rubber vibration-dampening inserts for hardware stability
- Pre-wired and cable-secured design for reliable operation
- Supports up to 3 x NUC PRO form factor nodes

High-Speed Network Switch

Enterprise cloud-managed 10-port PoE+ network switch

- 8 x 10GbE ports with 2 x SFP+ ports pre-populated
- Integrated keystone panel for expansion
- Native cloud management for monitoring and control
- Pre-wired network cabling for quick deployment

Structural CoreFrame

- Reinforced case frame for added strength
- Improved rigidity to protect rack-mounted equipment

Deployment Hardware

- Carbon fiber telescoping pole with long section or extension
- HiveRadar Beacon with steady/ blinking visual indicators
- Universal T-bar bracket or Pole Quick Mount for APs, antennas, and radio devices
- Support legs for bench-top use or EDC elevation

Power

Cloud-managed 6-outlet smart PDU

- LCD display with LED status indicators, self-healing, surge, and ground protection
- Input:
 - North America: 100–120V / 15A / 50–60Hz
 - International: 200–240V / 10A / 50–60Hz
- Max Power Consumption:
 - North America: 1500W
 - International: 2400W
- Connectivity: 2 x Gigabit RJ45

Network Switching

Cloud-managed 10-port PoE+ switch

- 8 x 2.5GbE ports + 2 x SFP+ ports (pre-populated with copper transceivers)
- Full-featured Layer 2+ switching with 120 Gbps capacity
- 802.3af/at PoE+ support on all ports with 240W PoE budget
- Real-time metrics, advanced analytics, and remote configuration
- Security features: ACL/port security, 802.1X, and RADIUS authentication

Security & Internet Connectivity

5G Cellular Gateway Options:

- Mako Networks 5G Wireless Gateway – High-security 5G gateway with NGFW (IPS/IDS), PCI DSS compliance, and cloud-only management (ISP connection not included)
- HiveRadar Basic Standalone Wireless Gateway – Essential connectivity for basic deployments, with basic firewall capability, managed via local web UI or SSH (ISP connection not included)
- Dedicated storage space for Starlink Mini (device not included)

Work Surfaces

Two Multifunctional Hardcase Lids:

- Lid A: Converts to bench with attachable legs
- Lid B: Mounts as raised table or elevated work surface

Active Exhaust 5G Gateway & Accessory Storage

- Backlit, contact-powered drawer with integrated LED lighting
- Tool-free access
- Active fan cooling with temperature-activated system
- Dedicated storage for:
 - Carbon fiber telescoping pole
 - Gateway AP mount and beacon
 - Gateway with antennas
 - Extra cables and Storage

StarLink Mini Storage & Accessory Bay

- Backlit, contact-powered drawer with integrated LED lighting
- Tool-free access
- Storage options for:
 - Starlink Mini with power supply
 - Additional storage

Power Distribution Unit (PDU)

- Enterprise cloud-managed 6-outlet design
- LCD display with LED status indicators
- Native cloud management for monitoring and control
- Custom low-profile cables with integrated cable management

Brush Panel & Embedded EDC Health Monitor

- Integrated brush panel for clean cable management
- Conceals cables with power supplies and PoE-powered EDC Health Monitor housed behind
- EDC Health Monitor functions include HCI cluster monitoring, UPS monitoring with auto-shutdown, and network utilities

Optional Modules & Upgrades

Networking Optional Upgrade:

Cloud Managed 12 Port PoE++ Network Switch

- 8 x 10GbE Ports and 4 x SFP+ ports (with pre-populated copper transceivers)
- 802.3af/at/bt PoE++ capable on all ports with 420W PoE budget
- Switching Capacity: 240 Gbps

Optional Software/Services:

- HiveRadar Turnium Bandwidth Aggregation/Static Public IP (Carrier Independent)
- HiveRadar Breach Detection Sensors
- Firewall Vx Appliance
- EDC Health Monitor Optional Service for HiveRadar Zero Trust

MODEL: HR-EDC-4U-HR01-2

Integrated LED lighting

Airflow Intake Panel

- For optimal cooling and efficiency

Edge HCI Cluster

Backlit 2-node rackmount cluster

- Tool-free service access
- Rubber vibration-dampening inserts
- Pre-wired and secured cabling to hardware
- Includes HiveRadar HR-01 Server Nodes
 - With up to 96Gb of DDR5 Memory
 - With up to 24TB of NVMe Storage

High-Speed Network Switch

Enterprise cloud-managed PoE+ network switch

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 - Extra cables and accessories

Accessory Storage

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- Storage for additional cables or accessories

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THE EDC IN ACTION

IN YOUR INDUSTRY

Whether you're a growing startup, a remote branch, or a global enterprise, this portable solution handles your rapidly increasing demand for edge computing and long-term infrastructure rollouts. It delivers reliable performance, simple IT management, and enterprise-grade features without the complexity or bulk. Below are just a few industry examples where the EDC makes an impact.



MEDIA & ENTERTAINMENT

Film Production, Broadcasting & Live Events

ORGANIZATIONAL DISASTER RECOVERY

Rapid Response & Business Continuity



REMOTE FIELD OPERATIONS

Exploration, Expeditions & Geological Surveys

CONSTRUCTION

Job Sites, Infrastructure Projects & Site Offices



EMERGING TECHNOLOGIES

AI, Robotics, Drones & Smart Farms

RETAIL & FRANCHISE

Multi-Site Operations, Pop-Ups & Quick Service



DEFENSE & MILITARY

Tactical Operations & Forward Operating Bases

RETAIL FUEL OPERATIONS & EXPLORATION TEAMS

Rigs, Refineries & Retail Fuel Operations



HEALTHCARE & EMERGENCY RESPONSE

Field Hospitals, Clinics & Humanitarian Missions

GOVERNMENT & LAW ENFORCEMENT

Forensics, Audits, Libraries & Field Offices

GOVERNMENT BODIES & PUBLIC AGENCIES

Natural Disaster Response, Forensics, Audits, Field Offices

GET THE FULL PICTURE

Explore detailed specs, key features,
and real-world applications.

Scan the QR code to discover more use cases in detail



OFF-GRID SYSTEM COMPONENTS

Build your complete portable power ecosystem

Why Pair Off-Grid Power with Your EDC?



True Deployment Flexibility

Deploy your EDC anywhere- rooftops, remote sites, emergency zones, or temporary locations- without relying on existing electrical infrastructure or costly site preparation.



Uninterrupted Operations

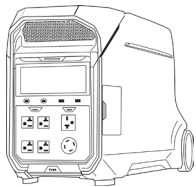
Maintain mission-critical uptime during grid outages, power fluctuations, or in areas with unreliable electricity. Your EDC stays online when you need it most.



Lower Total Cost of Ownership

Eliminate installation delays, reduce infrastructure costs, and avoid electrician fees. Set up in minutes instead of days- no permits, no complex integrations, just plug and deploy.

⚡ UPS Battery Backup



Delta 3 Pro

High-capacity battery backup designed for extended off-grid EDC operations and mission-critical deployments.

- 4096Wh rated, expandable to 12kWh
- 4000W continuous AC output
- 10ms UPS switchover protection

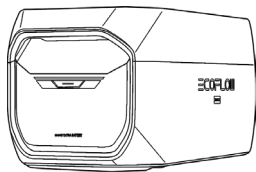


Delta 3 Plus

Compact, lightweight solution for smaller EDC setups and mobile field operations requiring reliable backup power.

- 5kWh expandable capacity
- 1800W continuous output
- 10ms UPS switchover protection

↕ Capacity Expansion



Smart Extra Battery

Seamlessly expand your runtime for longer deployments. Plug-and-play design requires no tools or technical setup.

- Add up to 2 units per Delta 3 Pro (12kWh total)
- Plug-and-play connection, no configuration needed
- Automotive-grade LiFePO4 cells for longevity

OPTIONAL EDC ACCESSORIES

Enhance portability and protection for your Edge Data Center

Deployed Mobility System

Transform your deployed EDC into a mobile unit. Heavy-duty wheels attach directly to the extended legs for easy repositioning.

- Attaches to deployed EDC legs
- Heavy-duty roller blade design
- Easy repositioning without lifting

Protective Transit Case

Rugged protective covering shields your EDC during transportation, shipping, and field deployment.

- Reuses original shipping foam for reinforced protection
- Exposes EDC handles and wheels for easy mobility
- Integrated pouch for identification and shipping labels

🌀 Climate Management

WAVE 3 Portable Air Conditioner

Keep your EDC equipment and personnel cool in challenging environments. Battery-powered cooling for deployments in hot climates.

- 6,100 BTU cooling capacity
- Up to 8 hours runtime on 1024Wh battery
- Smart app control and monitoring

🔋 Backup Generation

Dual-Fuel Smart Generator

Reliable backup power generation with fuel flexibility. Integrates with your power station for automatic charging and extended runtime.

- Up to 4000W peak / 3000W continuous output
- Dual-fuel: propane or gasoline operation
- Smart integration and auto-start capability

⚡ Renewable Charging

400W Solar Panel

Sustainable on-site recharging for truly independent off-grid deployments. Weather-resistant construction built for field conditions.

- 400W solar input + 220W bypass charging
- IP68 waterproof rating for outdoor use
- Foldable design with integrated kickstand

CONTACT US

TO SCHEDULE A DEMO,
proof of concept, or trial deployment
tailored to your operational needs.

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