



Who is Eaton?

We are a global intelligent power management company doing business in more than 160 countries with annual sales of over \$24.9 billion USD.

- Around 94k employees
- HQ Dublin, Cleveland & Switzerland
- Data Center, Utilities, C&I

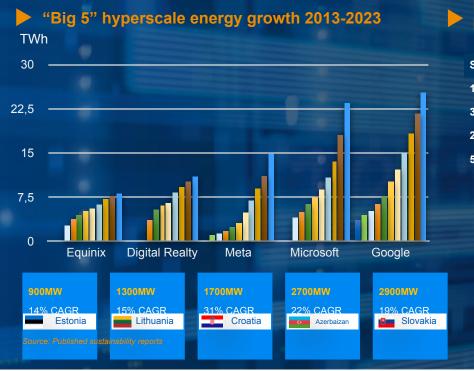
We make what matters work."





Digital layer - Brightlayer Data Centre suite - BMS, EPMS, Data Centre Performance Manager (DCPM)

Energy is the fuel for data and data is the fuel for Al



Data centres are some of the largest single blocks of demand growth in most grids.

Size Comparison

100-300MW Small city— Guildford, Angers, Columbia SC

300 -1000MW Liverpool, Miami, Boston, Florence, Dortmund

2500MW Birmingham, Brussels, Houston

Los Angeles, Sydney, Ireland, Minnesota

Source: International Energy Agency (IEA): Goldman: Accenture.





Powering Business Worldwide

Time to market constrains



Power & Energy Infrastructure

High power workloads, grid connectivity, ancillary services support, sustainable practices, operational directives



Site selection & Permitting

Suitable locations, regulatory hurdles, environmental impact, community social impact & acceptance



Cooling and thermal management

Advanced cooling needs, water usage restrictions adding complexity to the system



Supply chain & Workforce

Specialized hardware delays, specialized talent gaps & construction labor shortage



How to address the challenges with modular design



Flexibility & Scalability

Standardized "sub-systems", flexible designs, single structures, deployment in phases, mass production



Faster deployment

Reduce onsite labor, pre-fabricated solutions, pre-commissioning L1-L3, faster site acceptance test, easier documentation handling and ready for BMS integration



Sustainability & Digitization

SF6 free technology, grid interactive UPS system, less onsite travel and waste management, digital passport, solution lifecycle management, fully monitored, reduced footprint



Reduced time to market

Reference design solutions, integrated functional test at factory, better supply chain planning, "plug & play"





The largest SKID and POD Producer in Europe

Located in Hanekleiva, **Norway** with over 12000m², making it the largest facility of its kind in Europe. A second, even larger factory, is opening in 2025, in Viana do Castelo, **Portugal.**

The company was founded in 2022 and has successfully delivered more than 200 pods across Europe.

In early 2024, NordicEPOD teamed up with Eaton Technologies – a global power management company, to secure further growth and capitalize on synergies.

Built to local requirements, from the cold Nordic climate to the hot deserts of the middle east.



FIRST EUROPEAN EPOD PRODUCTION OF ITS KIND

Enhancing the efficiency and quality of our standardized and pre-commissioned EPOD design with flexible & mobile assembly line.



THE DIGITAL VALUE PROPOSITION

Live-streamed functional test



Follow testing live from anywhere or watch later.

Reduced costs and increased transparency.

EPOD monitoring software



On-board BMS, tailored to each project.

Full Epod monitoring & functional testing.

Unique digital quality record for each EPOD



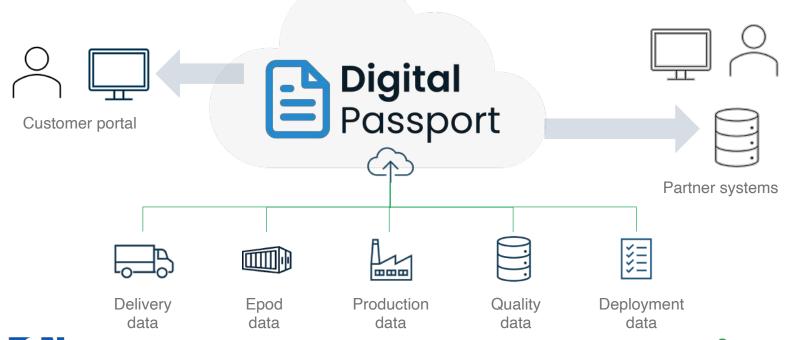
Real-time production progress.

Comprehensive quality document package.





CORNERSTONE OF THE DIGITAL VISION, IT CREATES CONFIDENCE THROUGH TRANSPARENCY





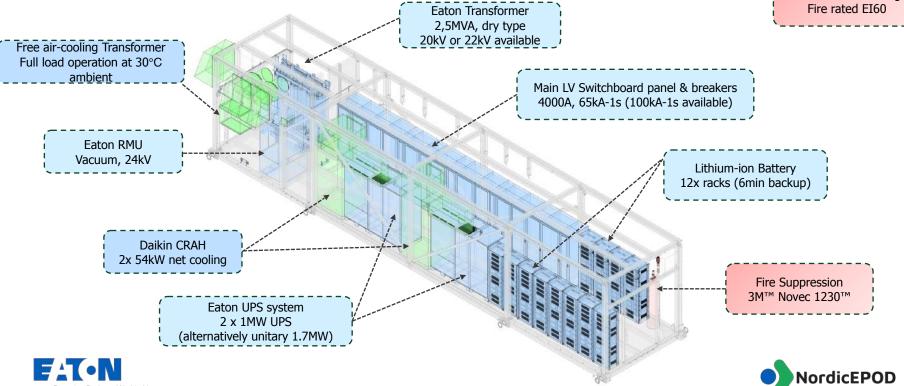


TYPICAL POWER MODULE DESIGN LAYOUT

17.3m x 3,7m x 3,9m (l,w,h) 47t transport weight 50t final weight

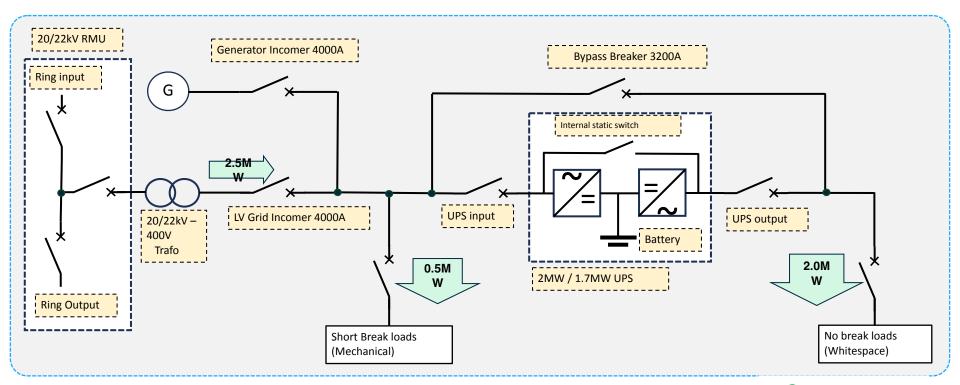
> Structure & cladding Fire rated EI60

Powered with EATON Technology





EPOD ELECTRICAL TOPOLOGY

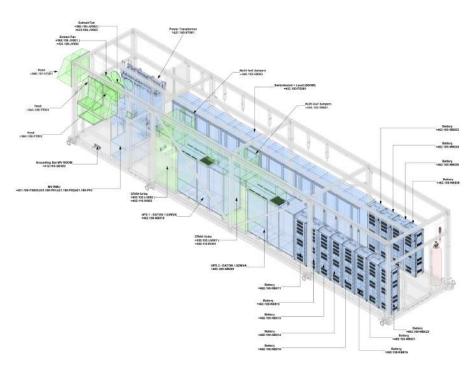






KEY TECHNICAL SPECIFICATION - 2MW EPOD

Factoria	Description
Feature	Description 22 LV (20 L
Medium voltage input	22 kV / 20 kV (configurable)
RMU technology	Vacuum breakers
Generator Voltage Input	400V
Transformer rating	22 kV / 400V, 6% , 2500kVA
LV Main Switchboard	xEnergyMain (customizable outputs)
LV busbar Max. Short circuit level	66kA – 1 sec (higher on request)
LV busbar rating	4000A
Generator incomer breaker	4000A
Incomer voltage nominal	400V
EPOD Nominal Power Capability	2.50 MW input power
	2.00 MW UPS output power (no break)
* Additional power available from short break if UPS runs at lower load.	0.42* MW non-backup power (short break)
	80 kW internal consumption (auxiliary systems + UPS heat loss)
UPS total output	2040 kVA
UPS battery technology	Li-Ion
UPS uptime at full load	6 minutes (automation time, End of Life)
UPS cooling system	CRAH 2x53kW net cooling
Building Management System	Equipment ready for integration to data centre BMS







2.5 MW SKID

Axelent X-guard Sliding door

BUSBAR DIVIDER

Eaton LIR3 LFP battery

Battery 2-2 BAT07 Eaton Li93 LFP batter

Eaton LIB3 LFP battery

Busbar TransformerMain switchboard EAE KX Aluminium S008A

> Steel structure LV Skid Steel structure according

> > Eaton LIB3 LFP battery Battery 2-5 BAT10

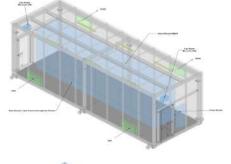
Main LV switchboard 5000A - CPS version Eaton sEnergy Main 5000A

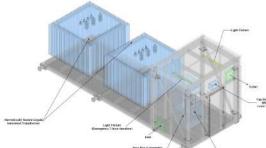
3500kVA 22/0.4E0kV, Dvs11 50Hz

to tech spec.

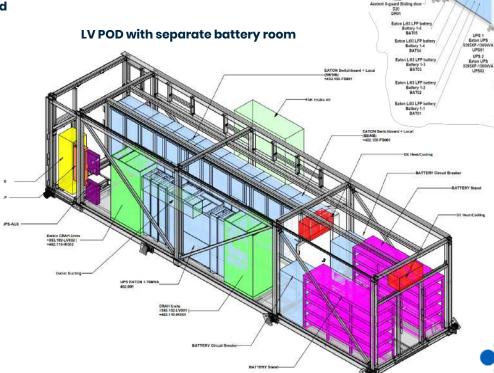
FLEXIBILITY ON EPOD DESIGNS

E-house for Medium Voltage with Switchboard





E-house with trafo and switchboard / RMU



Eaton builds upon years of experience in Service working closely with major DC customers globally



Powering Business Worldwide



Eaton Service Office

Limited Service



The "Power" of a Module

Time to market & flexibility with sustainability in focus



Added customer value

Digital Passport traceability, easy onsite monitoring integration, high quality standard, reduced CO2 footprint



Faster speed to market

Modular construction techniques, production at scale, supply chain planning and commissioning L1-L3



Sustainable practices

Participate in the wider ecosystem supporting grid stability and leveraging green bonds from proven sustainable practices



Lower operational expenses

Leverage flexible energy infrastructure and pre-emptive practice reducing TCO and having full Lifecyle management



Nordic EPOD overview video









WOULD YOU LIKE TO VISIT NORDIC EPOD FACTORY OR EVEN HAVE A TECHNICAL WORKSHOP?





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