

**9x4RU****10x3RU****IP55**

46.08kWh Battery Cabinet -

Air Conditioned IP55 rated field enclosure with extra depth to suit rack-mount batteries and associated power conversion equipment

TECHNICAL SPECIFICATIONS

Model	EBC40H-XD-ODAIR
No. of modules	4RU x 9 units <i>(factory configured)</i> 3RU x 10 units
Convection: Battery Space	DC 48V/1500W Air Conditioner
Convection: PCE Space	DC 48V 150mm fans x 2
Mounting	Floor
Securing	4 x Heavy Duty L brackets <i>(Long side mount)</i>
Earthing	Plinth with 2 included Earthing Blocks <i>(Long side mount)</i>
Max continuous current (Busbar)	1000A
Battery Interconnection	By others subject to brand choice
Cable Entry	Floor mounted cable glands (2 x 40mm per enclosure)
Total Weight (nett)	435 kg
Total Weight (packaged)	495 kg

Construction

Top roof, A/C external housing, and cable tray	1.5mm galvanised steel
Main cabinet, front door, 19" rails, and mounting plate	2.0mm galvanised steel
L-shaped battery support bracket and bottom plinth	2.5mm galvanised steel
Opening Degree	Left/Right door 120°
Plinths	2.5mm galvanised steel (Screwed access covers all sides)
Colour	Powder coated RAL7035 (grey)
Thickness	80-120µm
Door Seal	(EPDM) Ethylene Propylene Diene Monomer Temperature Resistance B2
Cabinet Insulation	(NBR) Nitrile Butadiene Rubber (10mm) Temperature Resistance B2

Standards

IEC / AS Compliance Standard	ANSI-310-D, IEC 297-2, DIN 41491/41494
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Protection

Compliance Standard	IEC 60529:2013
IP rating	IP55
Warranty (Cabinet)	36 Months (3 Years) *T&C Apply
Warranty (A/C Unit)	12 Months (1 Year) *T&C Apply

Also available with fans only
Model: EBC40H-XD-ODFAN



FEATURES

The EBC40H-XD-ODAIR is an airconditioned and insulated dual compartment battery storage solution suitable for indoor and outdoor installations.

- Side-by-side design to separate batteries from power conversion equipment (PCE).
- Heavy duty and insulated galvanised steel construction.
- IP55 ingress rating.
- Dual gasketed door access points via removable metal doors with three-point keyed-alike handle locks with staple for a padlock.
- 48VDC 1500W air conditioning unit - battery compartment.
- Twin 48VDC 150mm fans with thermostat - PCE compartment.
- 9 x adjustable height L brackets/rails for 9 x 4RU module installation. Capacity to fit 10 x 3RU (extra set of L-brackets required, not included).
- Two 450mm x 60mm x 8mm copper busbars with 8mm bolts for battery connection.
- Acrylic busbar cover, busbar insulators and stainless steel bolts.
- Handy DC 48V internal LED lights, one on each side.
- Document pocket.
- Removable filters.
- 4 x floor mounting brackets.
- 4 x lifting hooks to assist with cabinet placement.
- Addition of full height slotted mounting board. This can be utilised for mounting additional PCE and / or for cable management.
- Extra cabinet depth to suit certain battery modules with up to 530mm depth.





9x4RU

10x3RU

IP55

DIMENSIONS (mm)

Complete * Door Fittings Not Included

Length/Depth	890
Width	1500
Height	2000

Battery Compartment

Max Battery Depth	530
Width	465
Usable Rack Height	1645

PCE Compartment

Length/Depth	550
Width	675
Height	1645

Escutcheon Area

Width	700
Height	1645
Max Equipment Height	560 (excl. Busbar)



Internal view



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ENEPower

EBC40H-XD-ODAIR

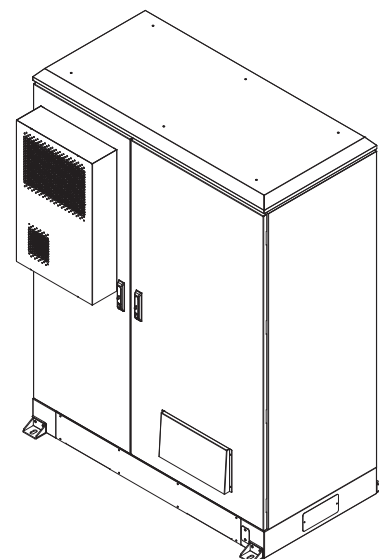
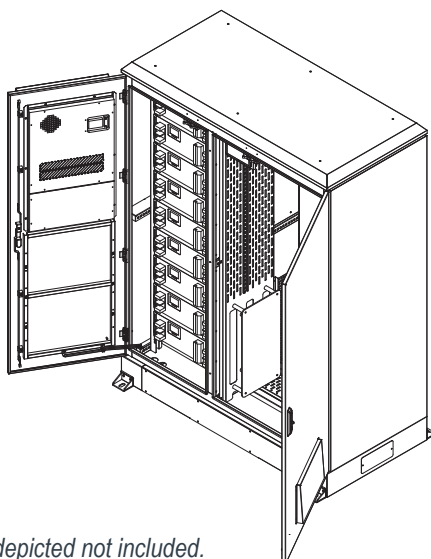
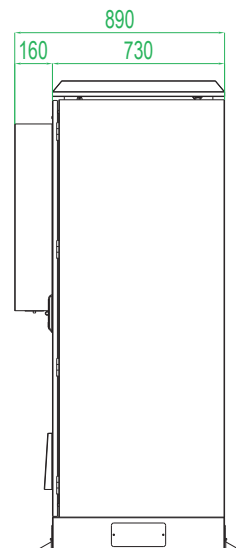
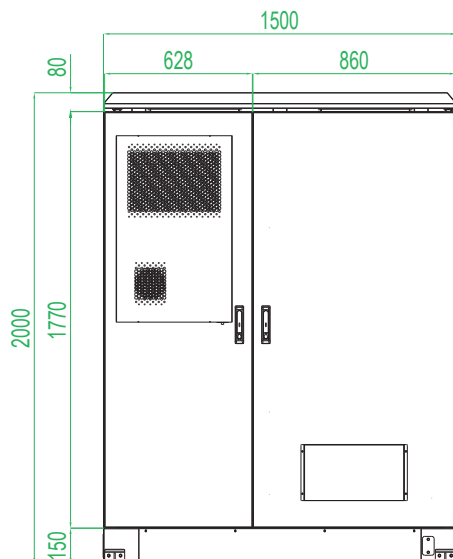
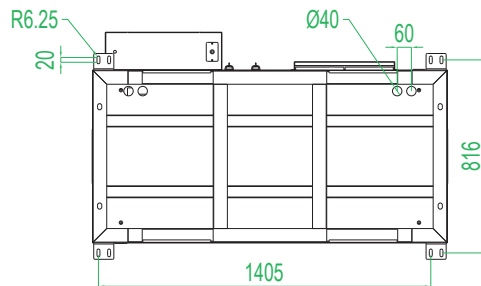
Protective Battery Cabinet

9x4RU

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DRAWINGS



**Batteries depicted not included.*

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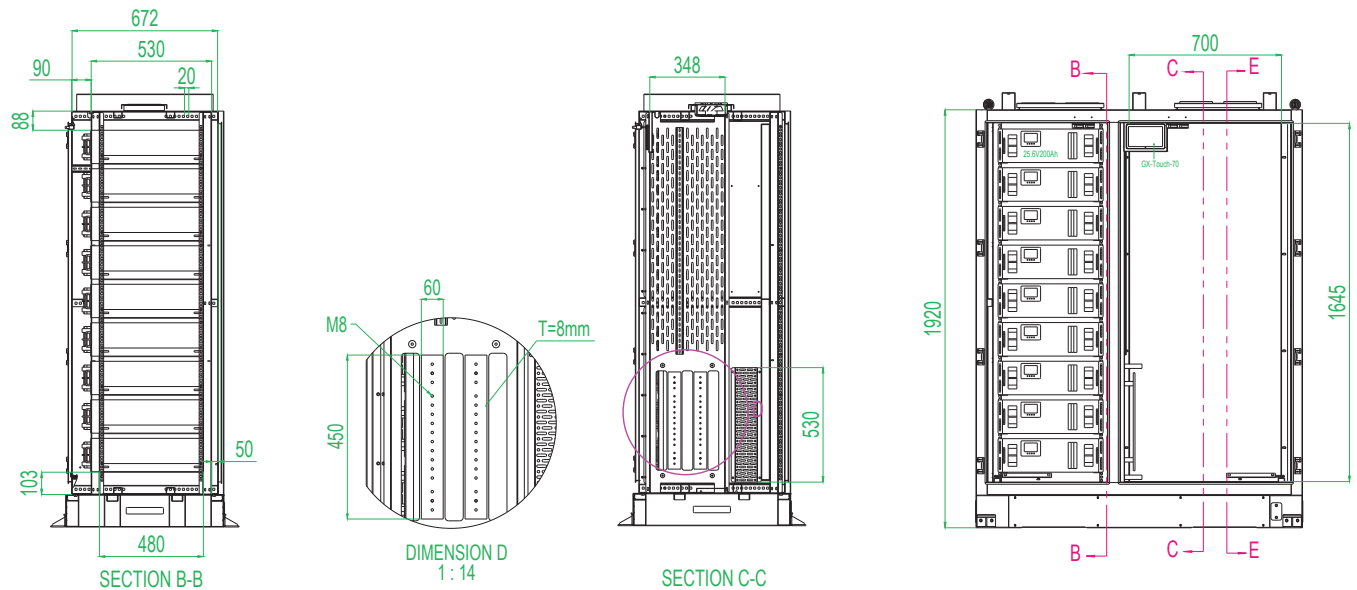
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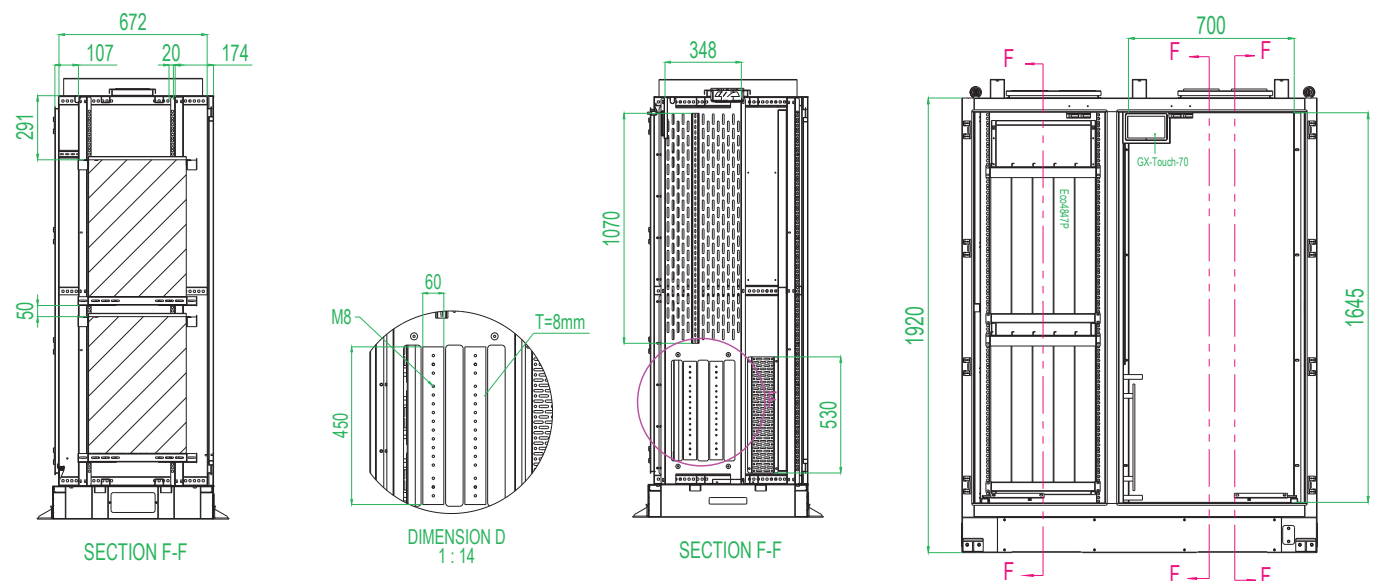
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DRAWINGS

Example with horizontally mounted batteries.



Example with vertically mounted batteries.



All batteries depicted are for illustrative purposes only and are not included with the cabinet.

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