

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

46.08kWh Battery Cabinet -

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

TECHNICAL SPECIFICATIONS

Model	EBC40H-XD-ODFAN
No. of modules	4RU x 9 units <i>(factory configured)</i> 3RU x 10 units
Convection: Battery Space	DC 48V 150mm Fans x 2
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)	408 kg
Total Weight (packaged)	463 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) <i>*T&C Apply</i>

Also available with A/C unit
Model: EBC40H-XD-ODAIR



FEATURES

The EBC40H-XD-ODFAN is a large fan cooled and insulated dual compartment battery storage solution suitable for indoor and outdoor installations.

- Side-by-side design to separate batteries from power conversion equipment.
- 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.
- Twin 48VDC 150mm fans with thermostat per 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	730
Width	1500
Height	2000

Battery Compartment

Max Battery Depth	530
Width	465
Usable Rack Height	1645

PCE Compartment

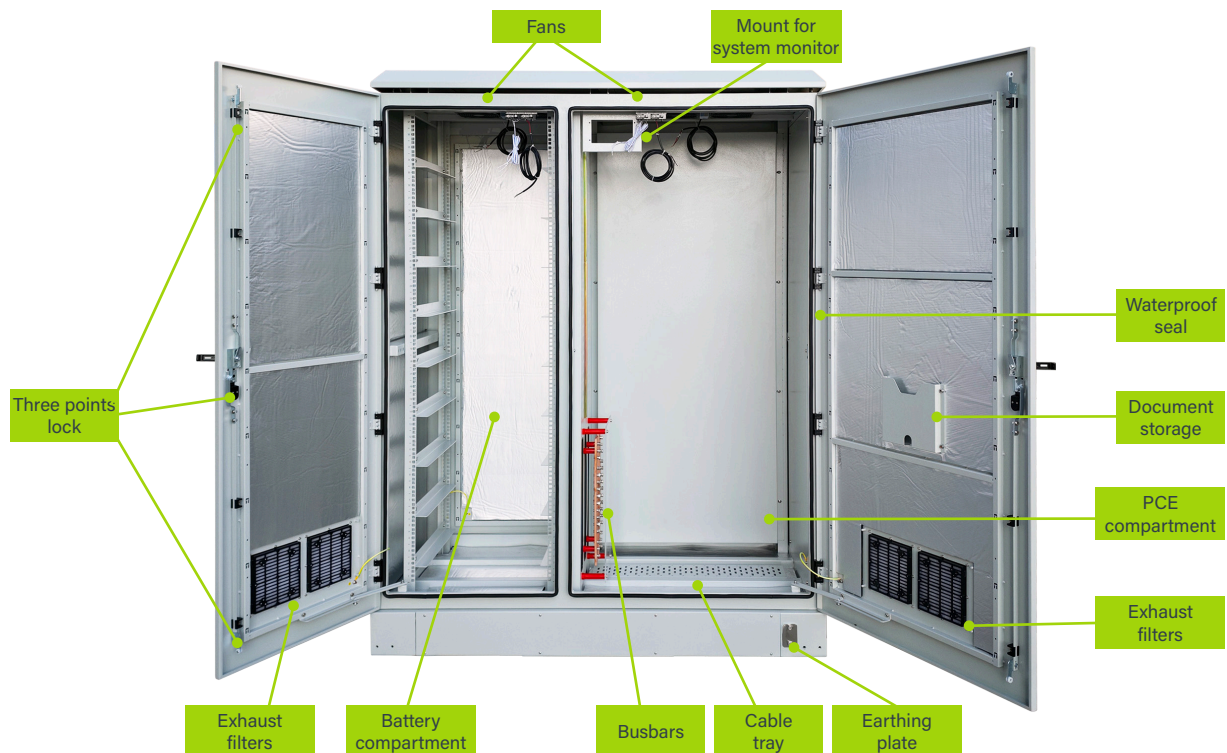
Length/Depth	550
Width	675
Height	1645

Escutcheon Area

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



Internal view



All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.



ENEPower

EBC40H-XD-ODFAN

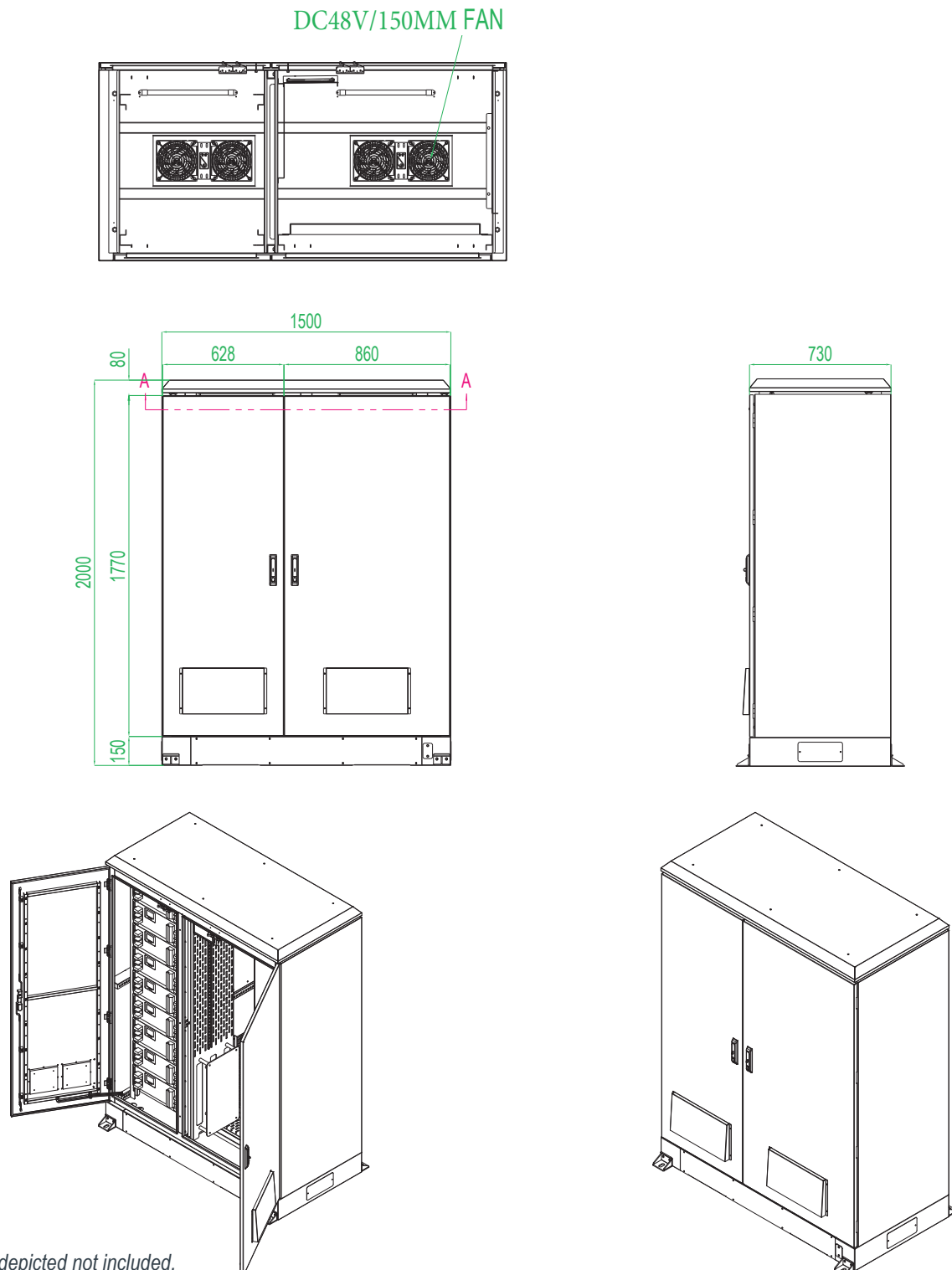
Protective Battery Cabinet

9x4RU

10x3RU

IP55

DRAWINGS



**Batteries depicted not included.*

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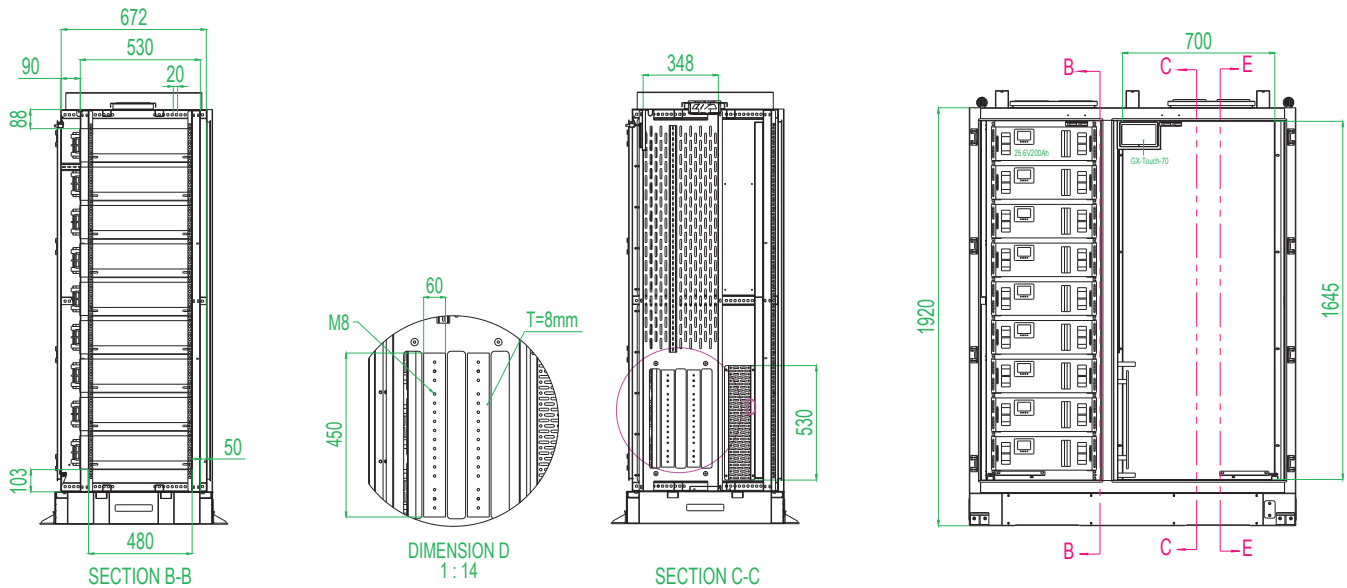
9x4RU

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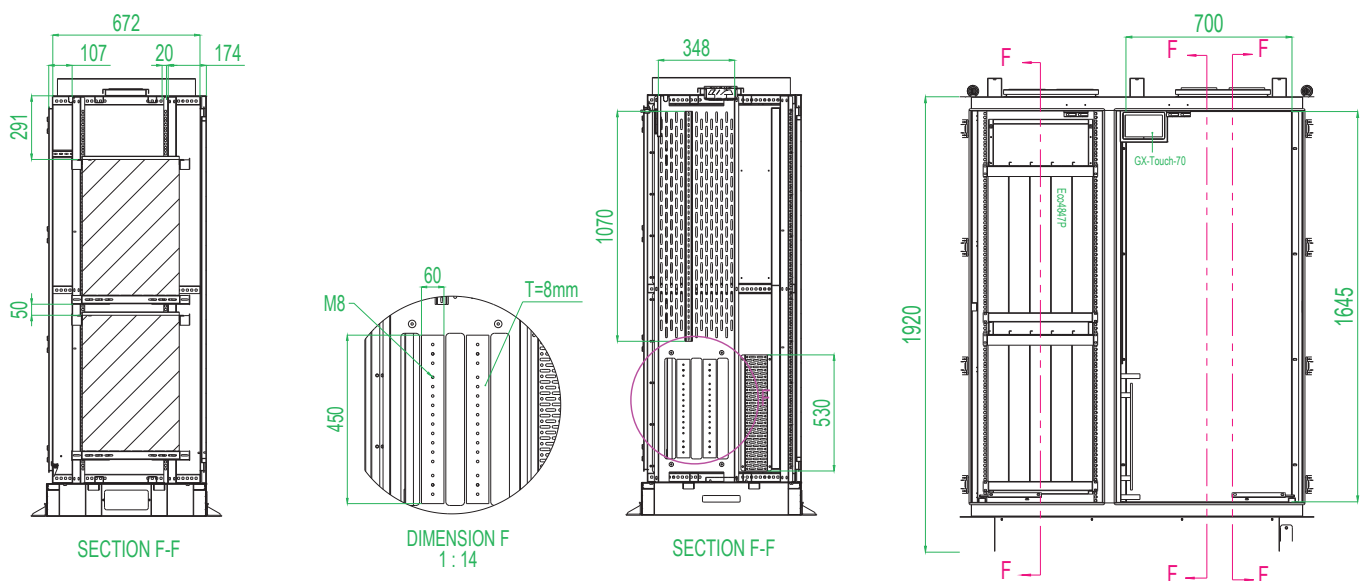
IP55

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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