

**5x4RU****6x3RU****IP55**

25.6kWh Battery Cabinet -

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

TECHNICAL SPECIFICATIONS

Model	EBC25H-XD-ODAIR
No. of modules	4RU x 5 units <i>(factory configured)</i> 3RU x 6 units
Convection: Battery Space	DC 48V/500W Air Conditioner
Convection: PCE Space	DC 48V 120mm fans x 2
Mounting	Floor
Securing	4 x Heavy Duty L brackets
Earthing	Plinth with 2 included Earthing Blocks
Max continuous current (Busbar)	1000A
Battery Interconnection	By others subject to brand choice
Cable Entry	2 x 40mm floor cable glands per enclosure
Total Weight (nett)	223 kg
Total Weight (packaged)	260 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	Front/Back door 120° Side doors 100°
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: EBC25H-XD-ODFAN



FEATURES

The EBC25H-XD-ODAIR is an airconditioned and insulated dual compartment battery storage solution suitable for indoor and outdoor installations.

- Innovative front-back design to separate batteries from power conversion equipment.
- Heavy duty, insulated galvanised steel construction.
- IP55 ingress rating.
- Multiple gasketed door access points via removable metal doors with three-point keyed-alike handle locks with staple for a padlock.
- DC 48V 500W A/C unit - battery compartment.
- Twin 48VDC fans with thermostat - PCE compartment.
- 5 x adjustable height L brackets/rails for 5 x 4RU module installation. Capacity to fit 6 x 3RU (extra set of L-brackets required, not included).
- Two 330mm 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. It is interchangeable for use on either left- or right-hand side orientation.
- Extra cabinet depth to suit certain battery modules with up to 530mm depth.



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DIMENSIONS (mm)

Complete * Door Fittings Not Included

Length/Depth	1227
Width	651
Height	1315

Battery Compartment

Max Battery Depth	530
Width	447
Usable Rack Height	980

PCE Compartment

Length/Depth	300
Width	535
Height	945

Escutcheon Area

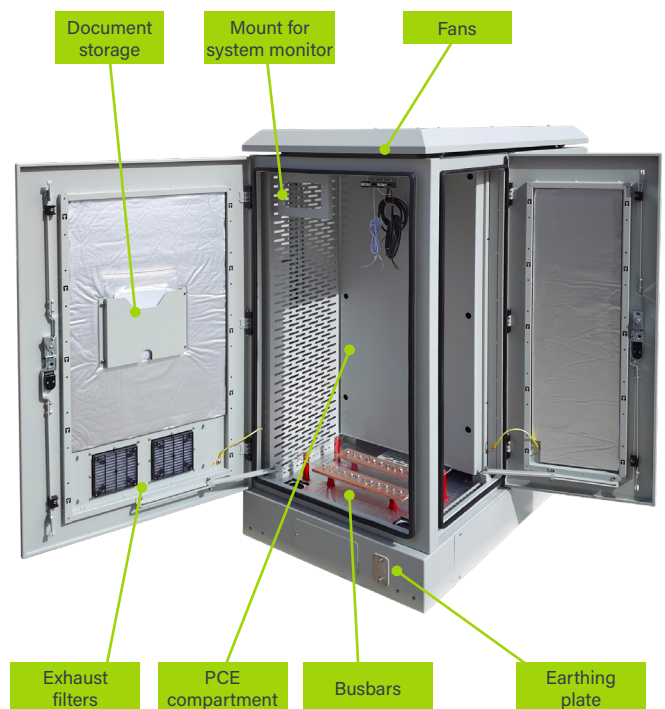
Width	512
Height	1020
Max Equipment Height	355



Battery compartment side



PCE compartment side





ENEPower

EBC25H-XD-ODAIR

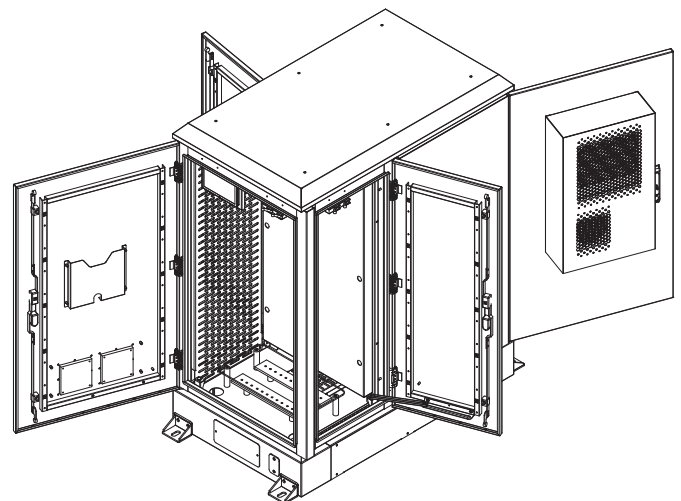
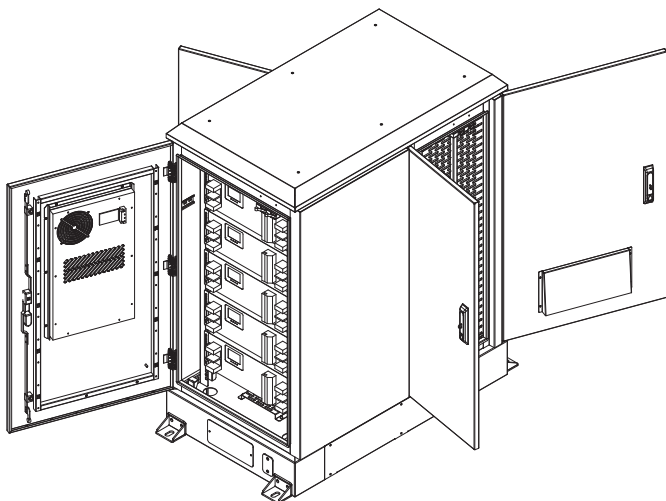
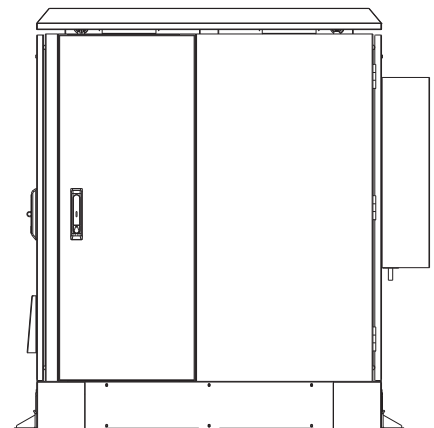
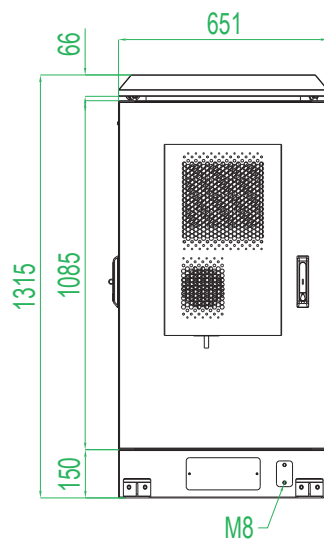
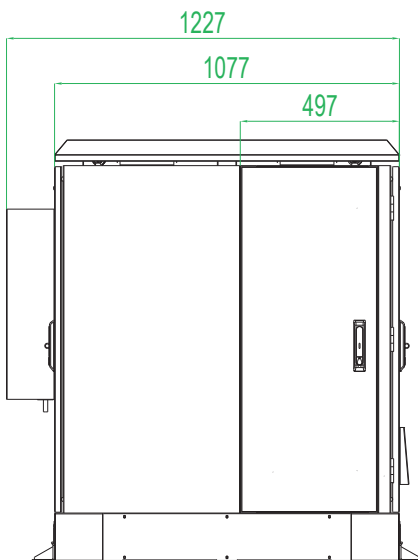
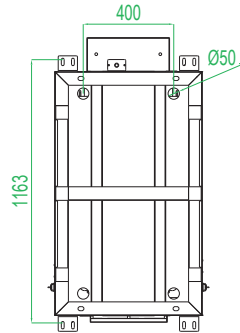
Protective Battery Cabinet

5x4RU

6x3RU

IP55

DRAWINGS



**Batteries depicted not included.*

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.



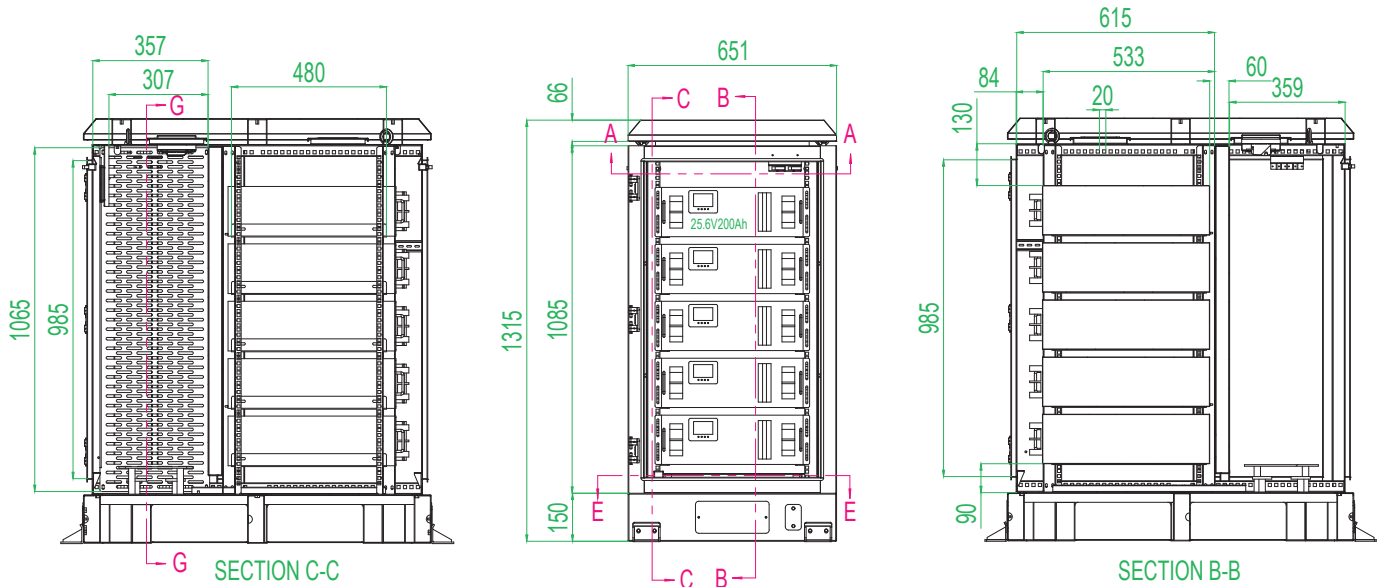
5x4RU

6x3RU

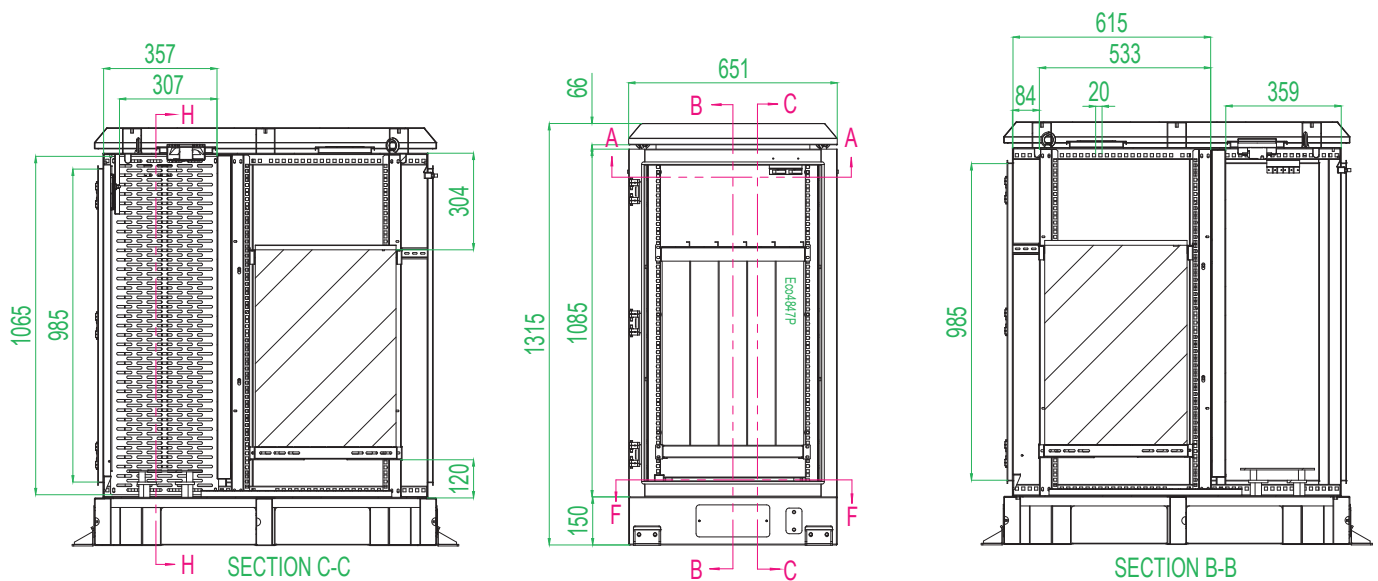
IP55

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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