



48V

5kVA

14.4KWh

<4KW  
PV Capable

## 48V 5kVA Stand Alone Power System (SAPS) - IP55 rated, pre-wired closed loop / managed all-in-one battery system

### TECHNICAL SPECIFICATIONS

Model Number	EPESS-EBC25H-48-5-14.4-AIR	
System Size	48V 14.4kWh system	
Usable Capacity	13.68kWh (95%)	
Battery	3 x Pylontech US5000B	
Inverter/Charger	5000kVa — Victron Energy Multiplus-II 48/5000/70-50-AU	
Solar Controller	Victron Energy Smart Solar 250/70	
Monitoring & Control	Victron Energy Cerbo GX MK2 with GX Touch 50	
System Protection	Noark N852894-2P 80A/500VDC MCCB Noark N852901-2P 200A/500VDC MCCB Noark N84449-2P 10A/360VDC MCB Victron Smart Battery Protect	
Cabinet	EBC25H-ODAIR (c/w 500W A/C) For up to 4RU x 5 units or 3RU x 6 units	
Cabinet Construction	2.0mm galvanised steel	
Door Opening Degree	Front/back door 120°, side doors 100°	
IP rating	IP55	
Thermal Control	Battery comp't	500W A/C unit
	PCE comp't	Twin 120mm 48VDC fans
Busbar	Copper Busbar (1000A rated)	
Compliance	AS/NZS 5139, AS/NZS 5033, AS/NZS 4777	

### FEATURES

The EPESS-EBC25H-48-5-14.4-AIR is a A/C cooled and insulated dual compartment stand alone power system suitable for indoor and outdoor installations.

- Closed loop / managed all-in-one battery system, customisable to specific requirements.
- IP55 ingress rating, heavy duty and insulated galvanised steel cabinet with A/C cooling, twin 48VDC fans and thermostat for thermal regulation.
- Australian design & constructed using components from the world's best manufacturers.
- Designed to be install ready; pre-wired and tested to reduce installation time & associated costs.
- Full remote monitoring capability and support via Victron Energy VRM.
- Innovative front-back design to separate batteries from power conversion equipment.
- Multiple gasketed removable doors with three-point keyed-alike handle locks with staple for a padlock.
- Ideal for applications including:
  - Residential energy storage (*no feed-in with current setup*).
  - Off-Grid solar or remote power installations.
  - Telecommunications infrastructure.
  - Agricultural & commercial infrastructure.
  - EV charging.

### IMAGES

Battery compartment side



PCE compartment side



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.



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### DIMENSIONS (mm)

#### Complete \* Door Fittings Not Included

Length/Depth	1151
Width	651
Height	1315

#### Battery Compartment

Max Battery Depth	427
Width	447
Usable Rack Height	880

#### PCE Compartment

Length/Depth	425
Width	590
Height	1085

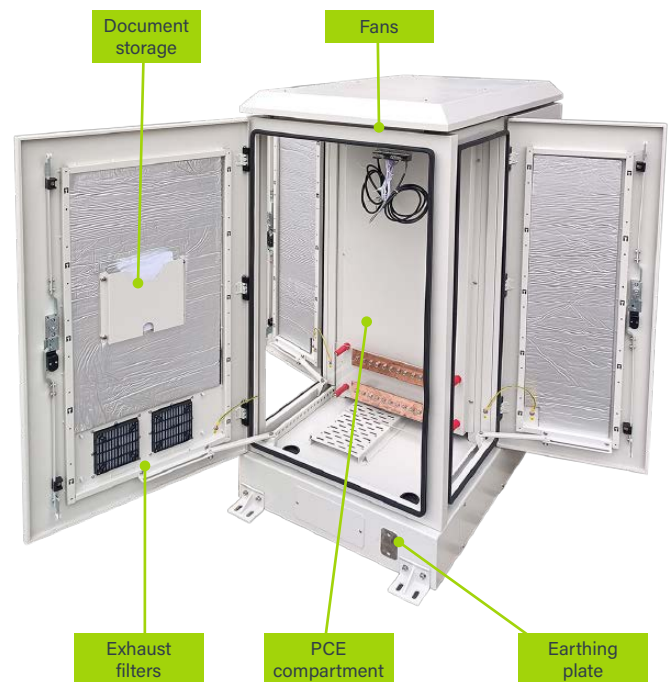
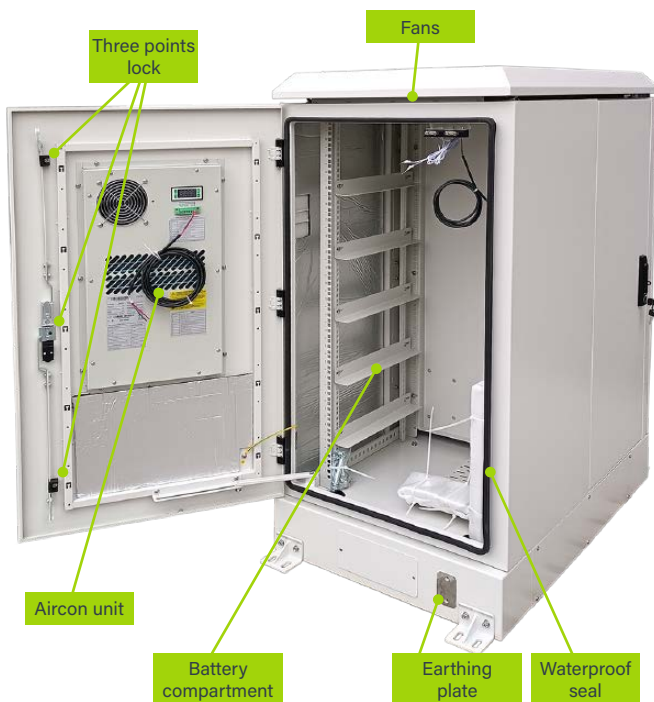
#### Escutcheon Area

Width	440
Height	1085
Max Equipment Height	395



Battery compartment side

PCE compartment side



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