



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-FAN	
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-ODFAN (c/w fan) 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	Twin 120mm 48VDC fans
	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-FAN is a fan 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 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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EBC25H-ODFAN CABINET DIMENSIONS (mm)

Complete * Door Fittings Not Included

Length/Depth	1000
Width	651
Height	1315

Battery Compartment

Max Battery Depth	427
Width (Between Rails)	447
Usable Rack Height	880

PCE Compartment

Length/Depth	425
Width	590
Height	1085

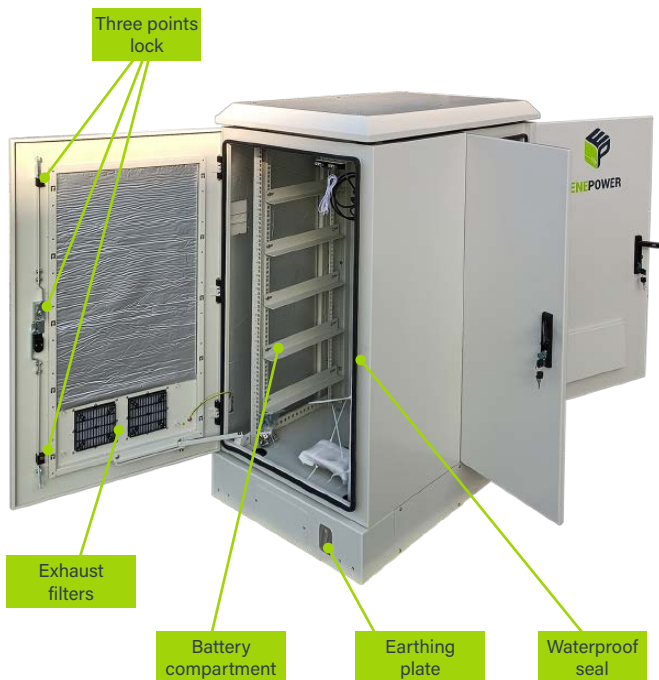
Escutcheon Area

Width	440
Height	1085
Max Equipment Height	395



Battery compartment side

PCE compartment side



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