



ENEPower

STAND ALONE POWER SYSTEMS

SAPS — *Prewired power cabinets*



Designed in
AUSTRALIA



**INSTALL
READY**



48V

5kVA

14.4KWh

<4KW
PV Capable

**Pre-wired Stand Alone Power System (SAPS)
with A/C or fan cooling for use in off-grid, grid
connected and backup solar applications.**

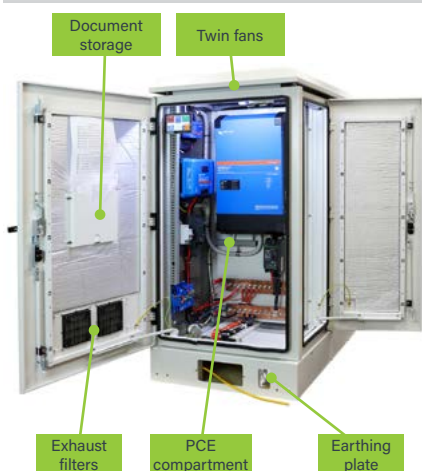
- Closed loop / managed all-in-one battery system for efficient performance and extended service life.
- IP55 rated cabinet with A/C or fan cooling for thermal regulation – suitable for arid environments.
- Australian design & constructed using world's best manufacturers.
- Customisable to specific requirements and install ready; pre-wired and tested to reduce installation time & associated costs.
- Full remote monitoring and support via Victron Energy VRM.

Why choose Enepower SAPS?

- Designed, constructed and supported by Master Instruments - Australian owned and operated battery specialists for nearly 85 years.
- Components in Enepower SAPS and system size can be expanded or tailored to your requirements. Designed to meet AS/NZS 5139 standard.
- Factory tested, pre-programmed and pre-wired prior to dispatch to reduce onsite installation time.
- Constructed with quality components from the world's leading renewable energy manufacturers.



PCE compartment



Battery compartment (Aircon model)



Battery compartment (fan model)



Model Number		EPESS-EBC25H-48-5-14.4-AIR	EPESS-EBC25H-48-5-14.4-FAN
System Size		48V 14.4kWh system (13.68kWh usable energy)	
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	
Protection		Noark moulded case circuit breakers (MCCB)	
		Victron Smart Battery Protect	
Cabinet		Enepower EBC25H-ODAIR (IP55 rated) For up to 4RU x 5 units or 3RU x 6 units	Enepower EBC25H-ODFAN (IP55 rated) For up to 4RU x 5 units or 3RU x 6 units
Thermal Control	Battery compartment	500W A/C unit	Twin 120mm 48VDC fans
	PCE compartment	Twin 120mm 48VDC fans	Twin 120mm 48VDC fans
Busbar		Copper Busbar (1000A rated)	
Dimensions		1151mm x 650mm x 1315mm tall	1000mm x 650mm x 1315mm tall

Applications:

- Residential energy storage (no feed-in with current setup).
- Off-Grid solar or remote power installations.
- Telecommunications infrastructure.
- Agricultural & commercial infrastructure.
- EV charging.



ENEPOWER

www.enepower.com.au

Designed and assembled by: www.master-instruments.com.au
Email: sales@master-instruments.com.au

