

SOLAR BATTERY AND EQUIPMENT CABINET

AUSTRALIAN REGISTRAR OF DESIGNS CERTIFICATION No. 202014068

Equipment cabinets made specifically for the solar industry, to make installations easier, faster and safer.

Save time on-site and provide the customer with a neat, safe enclosure for their solar system installation.

The cabinets are sized to enable mounting of all inverters and charge controllers in the same panel. This makes the installation much safer, whilst keeping all equipment out of sight and protected from the elements. The cabinets are made of aluminium, making them easy to position and providing a long service life.

A slide-in racking system allows for easy installation of many different types of 19" rack-mount style battery modules along with rain protected vents on both sides and on top for mechanical air ventilation. Double skinned and air-conditioned versions also available on request.

Features

- 19" Rack mounts with slide-in shelves for battery module mounting, ranging from 1-17 modules
- Universal racking system for multiple battery brands such as BYD Flex 5.0, ZYC Simpo 5000, Gen Z, Dyness and Powerplus to name a few.
- Indoor or outdoor installation thanks to IP 55 protection rating
- Fully welded construction, 3mm Aluminium
- Stainless steel bolts and fittings installed throughout
- Powder coated light grey finish (RAL7035)
- Mounting pan powder coated white
- Double front doors with segregation between battery section and equipment section as per AS/NZS 5139:2019
- Robust 3-point door locking system
- Gland plates fitted internally
- Rain protected vents on either side and on top to facilitate passive and forced ventilation. Covers are removable.
- Mounting plate can be used for inverters, chargers and all other equipment
- Stainless steel lifting eyes on all four corners on top
- Internal circuit breaker section for individual battery module isolation, with circuit breaker cut-outs in the escutcheon
- Document pocket on inside of door
- Dust filters installed on inlet outlet vents
- Ventilation fans (48VDC) installed as standard
- Punched aluminium screens over all openings to prevent unwanted entry by insects





Specifications

Model	Battery Modules **	External (mm)					Internal (mm)	Mounting Plate (mm)		Mounting Plinth (mm)		Weight (Kg)
		Height without cover	Height with cover	Cabinet Width	Width at base of flange	Depth	Usable Depth	Height	Width	Width	Depth	
AL5	1-7	1018	1020	1400	1500	585	550	700	720	1500	585	100
AL8	1-11	1436	1438	1400	1500	585	550	1120	720	1500	585	126
AL12	1-17	2036	2038	1400	1500	585	550	1720	720	1500	585	153
AL12+	1-17	2036	2038	1800	1900	585	550	1720	1120	1900	585	186

Bus Bar Mounting Plate dimensions (mm) = 650 (length) x 18 (height) x 230 (width) for all models.

** Number of batteries depends on type of battery chosen



Optional Extras

- 50mm x 8mm x 600mm long tinned copper bus bar complete with pre-drilled holes for battery cable connections
- Double skinning with extra insulation between layers
- Air-conditioner fitted in a third compartment in the middle of the cabinet

Wescor Electrical Solar Battery and Equipment Cabinet Datasheet, correct as of 5th May 2024. All Information subject to change.



At Wescor Electrical we provide and install quality solar power systems using the latest quality components and systems. Our solar systems are designed to be adaptable to future energy demands and new technology. We are constantly researching the latest solar technologies with the aim of providing our customers with state of the art solar systems.

Wescor Electrical have installed over 2500 solar systems in the Cooloola, Wide Bay Burnett, Sunshine Coast and Brisbane regions. We have a proven track record and extensive experience in the supply and installation of a wide range of both domestic and commercial solar systems. We have a great referral base and work diligently to ensure our clients are highly satisfied with their project no matter how big or how small.

Wescor Electrical is backed by manufacturers and workmanship warranties which has earned us a reputation for delivering top quality solar systems that are built to last. All systems are installed by our SAA accredited installers and licensed electrical contractors. Whether it is for residential or commercial premises, Wescor Electrical can design, construct and commission a solar system based on each individual customers requirements. Let the professionals at Wescor design and install your solar system.