



Solar Power & Energy Storage

AVOL™ Genius Solar and Battery Systems





Take the first steps in clean, affordable energy with **AVOL Genius™** **Solar Systems**



Be a part of the millions of Australian households that have installed solar + battery systems and reap the benefits.

Who?

At AVOL™, we are committed to bringing Australian home & business owners clean & affordable energy solutions through innovation and research.


How?

Our solutions aim to reduce energy consumption, pollution and minimise harm to the environment, whilst being price-conscious so that solutions are more accessible for Australian households.




Combat rising power prices and become self-sufficient

Power your home, earn feed-in tariff and cut your power bill with AVOL Genius Solar Energy. Gain your energy independence and save money by switching to a solar + battery system.



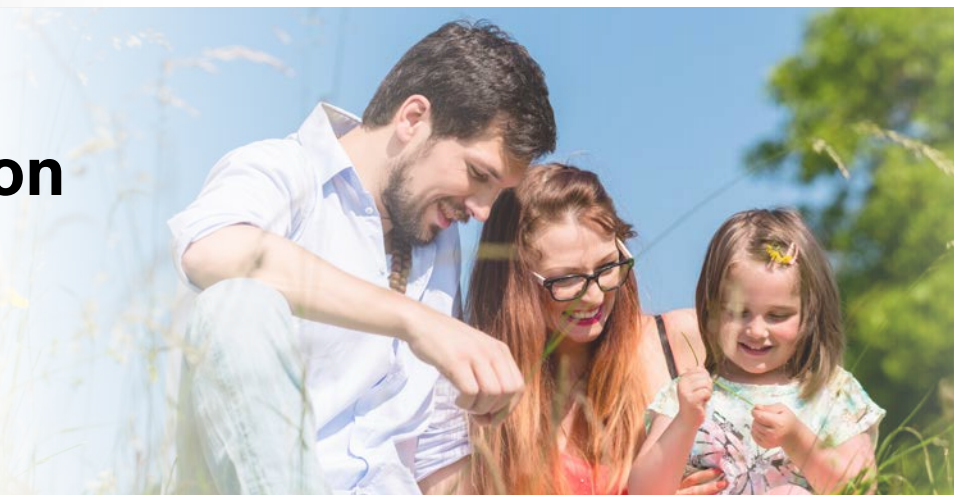
Battery backup power when you need it most

Keep the family protected by having battery storage. This enables essential appliances to continue running in an event of a blackout.



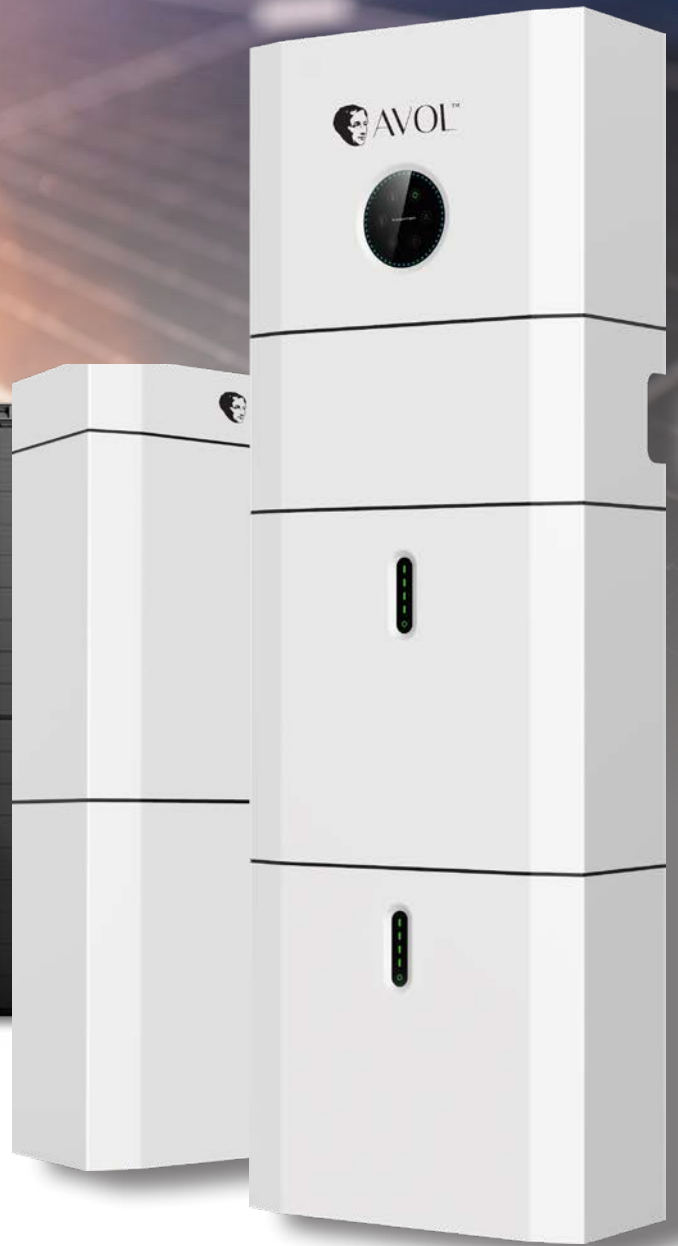
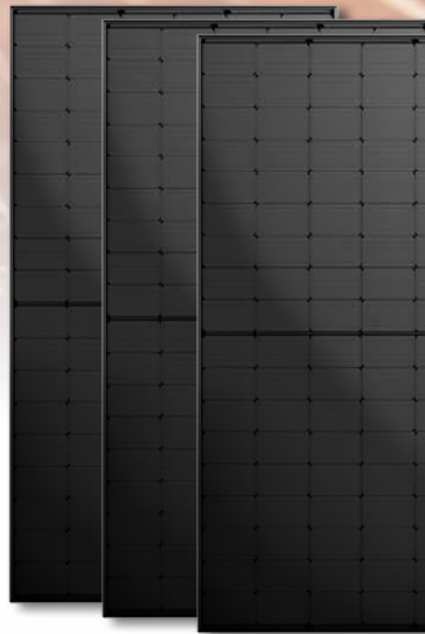
Access your energy: Anywhere, anytime

See the energy you are producing, storing and using with the "SOLARMAN Smart" mobile app.



Lower your carbon emissions for a better tomorrow

Scalable Solar + Battery Solutions for an energy efficient future



Fast-track your way to being self-sufficient

Harness the power of the sun, and maximise profit from producing clean, renewable energy with AVOL™ Genius Series solar and battery storage solutions.



Cost and energy savings



Up to 20kWh battery storage



Premium CATL battery cells



Flexible & robust solar panels



Easy monitoring with phone app



Streamline modular design



New or retrofit with existing PV system

Cost-effective energy storage

Store the excess solar power that is generated throughout the day to then use at night when on-grid power costs are higher.



Expandable design

Start with 5kWh and add extra battery modules in 5kWh steps. Add up to a combined 20kWh of energy storage in a single system.



No.1 Leading Battery Partner

The Lithium Iron Phosphate cells in AVOL BA5 are produced by CATL - the world leader in Lithium / EV Battery Suppliers.



Black-out protection

The AVOL Genius can provide you with back-up power during power grid outages, with a max 230VAC load of 4600W.



Monitor energy production & use

View what you are producing, storing & using with the "SOLARMAN Smart" phone app for both iPhone, Android, PC and Mac. Connects to the home WiFi 2.4GHz Network via included dongle.





Solar Panel & Hybrid Inverter Systems

Your perfect start to energy self-sufficiency with high efficiency solar panels

JinkoSolar Solar Panels, when combined with the AVOL 5kW Hybrid Inverter, allow for high flexibility and efficiency, all at your fingertips. The AVOL inverter utilises the Solarman mobile app which allows for ease of monitoring and management of your generated power. With multiple power management modes, which can be automated for certain times of the day, your energy will be used to maximize efficiency, and can be intelligently fed back to the grid for extra feed-in tariffs (if connected to the grid).

AVOL Genius 5kW Inverter

- Built-in customised energy management modes (on-grid / off-grid)
- Connects solar energy to household & feeds back into grid
- Dual MPPT's for higher energy harvest
- Remote access - mobile app available

JinkoSolar 440W Solar Panels

- 25 Year Warranty
- 22% Module efficiency rate (1000W/m²)
- All-black - modern and stylish appearance
- 0.40% annual degradation over 30 years
- IP68 weather rating - high salt, mist & ammonia resistance



Ultra Dependable Solar Panels

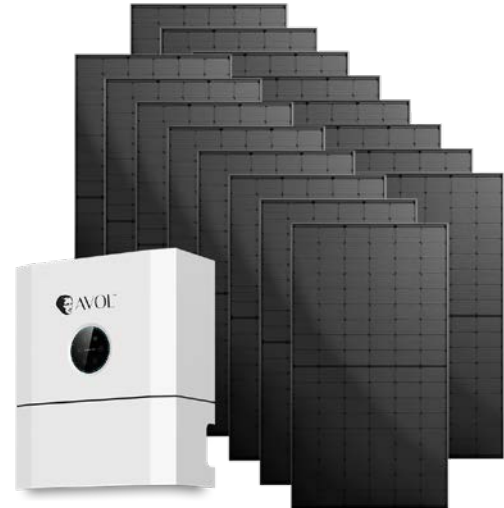


Intuitive Remote Management



Mounting System Included

Package Specifications



PWRSLR-J3P

PWRSLR-J7P

3.5kW Panel System with 5kW Hybrid Inverter

- 8 x Solar panels for 3.5kW array
- 5kW Hybrid Inverter with dual MPPTs

7kW Panel System with 5kW Hybrid Inverter

- 16 x Solar panels for 7kW array
- 5kW Hybrid Inverter with dual MPPTs

JinkoSolar Solar Panel

- Tiger Neo Satin N-type 440W solar panel
- N-type monocrystalline 108 cells (6 x 18)
- Impressive 22% module efficiency rate (1000W/m²)
- All black module for stylish appearance
- SMBB technology for superior light trapping
- IP68 rated; high salt mist & ammonia resistance
- 0.40% annual degradation over 30 years
- 25 year product warranty
- 1762 x 1134 x 30mm, 22kg unit weight

AVOL Hybrid Inverter

- Single phase 5kW hybrid inverter with built-in customisable energy management
- 5000W maximum power output
- Mobile application for remote solar and battery management
- Peak load shifting, battery priority
- IP65 weather rated for outdoor use
- 5 year product warranty
- 540 x 590 x 240mm, 32kg unit weight
- CT connectors & comms cable, Amphenol H4 PV MC4 connectors, backup & on-grid AC connectors, WiFi module

Installation Components

- 1 x Metal or Tile roof component kit
- 8 x 2350mm solar mounting rails
- 10 x Grounding lug
- 1 x 4mm earth cable
- 1 x 4mm solar DC cable
- 1 x AC isolator
- 4 x DC connectors
- 1 x PV solar labelling kit

- 1 x Metal or Tile roof component kit
- 16 x 2350mm solar mounting rails
- 10 x Grounding lug
- 1 x 4mm earth cable
- 1 x 4mm solar DC cable
- 1 x AC isolator
- 8 x DC connectors
- 1 x PV solar labelling kit

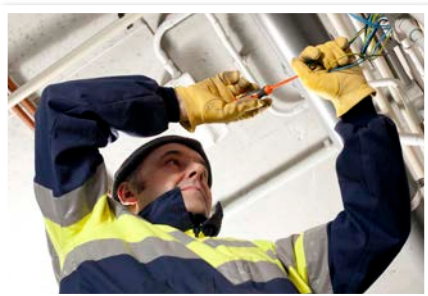


Battery Storage Systems

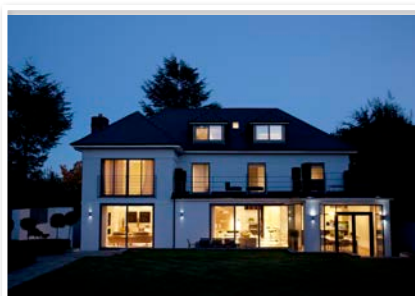
Decrease grid reliance by adding battery storage to your existing solar system

The Genius Series: 5.1kWh LFP Battery Packs are modular designed to store and provide energy during the day and night when used with a PV system. Lithium Iron Phosphate Batteries (LiFePO₄ / LFP) used in the Genius Battery pack features longer life span, zero maintenance, ultra-safe, lightweight, improved charge and discharge efficiency. The hybrid 5kW inverter has a range of features in order to enable full control over your energy management.

- Modular, robust design delivers excellent levels of safety and performance
- High quality battery cells produced by the world's industry leading partner
- Clean Energy Council approved systems
- 5 year warranty for inverter and batteries
- Up to 4 modules in a single PV system
- Up to 20kWh of energy storage
- 10,000 cycles at 90% depth of discharge
- IP65 weather rated for outdoor use



Modular for Neat Installation



Rated for Outdoor Installation



High Quality Battery Cells

Package Specifications



AVOL-GENIUS5	AVOL-GENIUS10	AVOL-GENIUS15	AVOL-GENIUS20
5kW Hybrid Inverter with 5kWh Battery Storage	5kW Hybrid Inverter with 10kWh Battery Storage	5kW Hybrid Inverter with 15kWh Battery Storage	5kW Hybrid Inverter with 20kWh Battery Storage

AVOL Hybrid Inverter

- Single phase 5kW hybrid inverter
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- Built-in customisable energy management
- Mobile application for remote solar and battery management
- Peak load shifting, battery priority
- IP65 weather rated for outdoor use
- 5 year product warranty
- 540 x 590 x 240mm, 32kg unit weight
- CT connectors & comms cable, Amphenol H4 PV MC4 connectors, backup & on-grid AC connectors, WiFi module

AVOL LiFePO₄ Battery Pack

- Lithium Iron Phosphate (LiFePO₄ / LFP) Battery Cells
- 5.12kWh Energy capacity, 4.60kWh usable capacity
- Up to 4 modules in a parallel system (20kWh)
- 5 year product warranty, 10 year performance warranty
- 4096W Rated DC power
- 44.8 - 56.5V Operating voltage range
- 540 x 490 x 240mm, 54kg unit weight

Installation Components

▪ N/A	▪ 1 x 5-10kWh cable set	▪ 1 x 10-20kWh cable set ▪ 1 x 5-10kWh cable set	▪ 1 x 10-20kWh cable set ▪ 2 x 5-10kWh cable set
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Solar & Battery Storage Systems

Claim your energy independence with solar & battery kits, ideal for off-grid living

The AVOL complete solar + battery storage kit includes panels, batteries, and hybrid inverter, to give you full off-grid capabilities, or to maximize the energy efficiency of your existing on-grid power. With the JinkoSolar solar panels and AVOL Genius energy storage, you can have a ground-up solar energy system integrated for a reliable off-grid energy source, or when connected to the grid, save on energy bills and even profit off of your system when feeding excess energy into the grid.

- Reduce vulnerability to energy price fluctuations and external impacts
- Ultra reliable with low maintenance costs
- Easily expand your solar battery setup based on your changing energy needs
- Enhance energy resilience during blackouts or grid failures; backup key appliances
- Clean Energy Council approved inverter and batteries for use in solar rebate programs
- Perfect for use in off-grid power setups



Ultra Dependable Solar Panels








Intuitive Remote Management



Mounting System Included

Package Specifications

				
PWRSLR-J3P5B	PWRSLR-J7P5B	PWRSLR-J7P10B	PWRSLR-J7P15B	PWRSLR-J7P20B
3.5kW Power, 5kWh Storage System <ul style="list-style-type: none"> 8 x Solar panels for 3.5kW array 5kW Hybrid Inverter 1 x 5kWh Battery Pack 	7kW Power, 5kWh Storage System <ul style="list-style-type: none"> 16 x Solar panels for 7kW array 5kW Hybrid Inverter 1 x 5kWh Battery Pack 	7kW Power, 10kWh Storage System <ul style="list-style-type: none"> 16 x Solar panels for 7kW array 5kW Hybrid Inverter 2 x 5kWh Battery Packs 	7kW Power, 15kWh Storage System <ul style="list-style-type: none"> 16 x Solar panels for 7kW array 5kW Hybrid Inverter 3 x 5kWh Battery Packs 	7kW Power, 20kWh Storage System <ul style="list-style-type: none"> 16 x Solar panels for 7kW array 5kW Hybrid Inverter 4 x 5kWh Battery Packs

Installation Components

<ul style="list-style-type: none"> 1 x Metal or Tile roof component kit 8 x 2350mm solar mounting rails 10 x Grounding lug 1 x 100m roll 4mm² earth cable 1 x 100m roll 4mm² solar DC cable 1 x AC isolator 4 x DC connectors 1 x PV solar and ES storage label kits 	<ul style="list-style-type: none"> 1 x Metal or Tile roof component kit 16 x 2350mm solar mounting rails 10 x Grounding lug 1 x 100m roll 4mm² earth cable 1 x 100m roll 4mm² solar DC cable 1 x AC isolator 8 x DC connectors 1 x PV solar and ES storage label kits 	<ul style="list-style-type: none"> 1 x Metal or Tile roof component kit 16 x 2350mm solar mounting rails 10 x Grounding lug 1 x 100m roll 4mm² earth cable 1 x 100m roll 4mm² solar DC cable 1 x AC isolator 8 x DC connectors 1 x PV solar and ES storage label kits 1 x 5-10kWh cable set 	<ul style="list-style-type: none"> 1 x Metal or Tile roof component kit 16 x 2350mm solar mounting rails 10 x Grounding lug 1 x 100m roll 4mm² earth cable 1 x 100m roll 4mm² solar DC cable 1 x AC isolator 8 x DC connectors 1 x PV solar and ES storage label kits 1 x 10-20kWh cable set 1 x 5-10kWh cable set 	<ul style="list-style-type: none"> 1 x Metal or Tile roof component kit 16 x 2350mm solar mounting rails 10 x Grounding lug 1 x 100m roll 4mm² earth cable 1 x 100m roll 4mm² solar DC cable 1 x AC isolator 8 x DC connectors 1 x PV solar and ES storage label kits 1 x 10-20kWh cable set 2 x 5-10kWh cable set
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- CT connectors, Amphenol H4 PV MC4 connectors, backup & on-grid AC connectors, WiFi connector module

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- Up to 4 modules in a parallel system (20kWh)
- 5 Year Product, 10 Year Performance Warranty
- 4096W Rated DC power
- 44.8 - 56.5V Operating voltage range
- 540 x 490 x 240mm, 54kg unit weight

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AVOL™

The genius of electricity

Contact your local AVOL™ professional:



To see the entire AVOL electrical and LED lighting range, visit us online at:

WWW.AVOL.AU