

CUSTOM-ENGINEERED OFF-GRID POWER

A complete, self-contained off-grid power system — battery storage, solar MPPT charging, single or 3-phase inverters and integrated safety systems, engineered around your site, your loads and your energy goals.

STANDALONE

SELF-CONTAINED

BUILT TO YOUR SPEC

LiFePO4 BATTERY TECHNOLOGY



100 kWh

Scalable Battery Storage
(Max)

Up to 36 kW

Single or 3-Phase Inverter

Custom

MPPT Solar Charging

Optional

Generator & Wind Input

KEY FEATURES

Everything you need. Sized to fit.

Every system is engineered around your site, your loads and your energy goals — combining battery storage, solar charging, power conversion and safety protection into one pre-wired, factory-tested unit, with capacity matched to what you actually need.



Standalone & Self-Contained

All components are pre-installed in a single engineered enclosure — no separate plant room or custom build required, and no on-site fabrication.



Scalable Battery Storage

Lithium Iron Phosphate (LiFePO4) battery capacity engineered to your needs — from compact reserves up to 100 kWh. More stable and safer across Australia's ambient temperature range, and designed and assembled here in Australia.



Solar MPPT Charging

MPPT charge controllers are sized and multiplied to suit your solar array — matching controller capacity and count to your panel strings.



Single or 3-Phase Inverter

Inverter output engineered to your electrical requirements — single-phase models from 3–36 kW, or 3-phase models from 15–36 kW — matched to your loads and equipment.



Integrated Safety Systems

Built-in circuit protection, isolation switches, fault monitoring and fail-safes protect your system, equipment and people.



Ready to Connect & Go

Factory built, tested and commissioned to your design specification. Arrive on site, connect your supply and loads, and switch on.



Optional Generator Backup Input

Add a backup generator input to extend autonomy through low-sun periods or high-demand days, fully integrated into the system's safety and control logic.



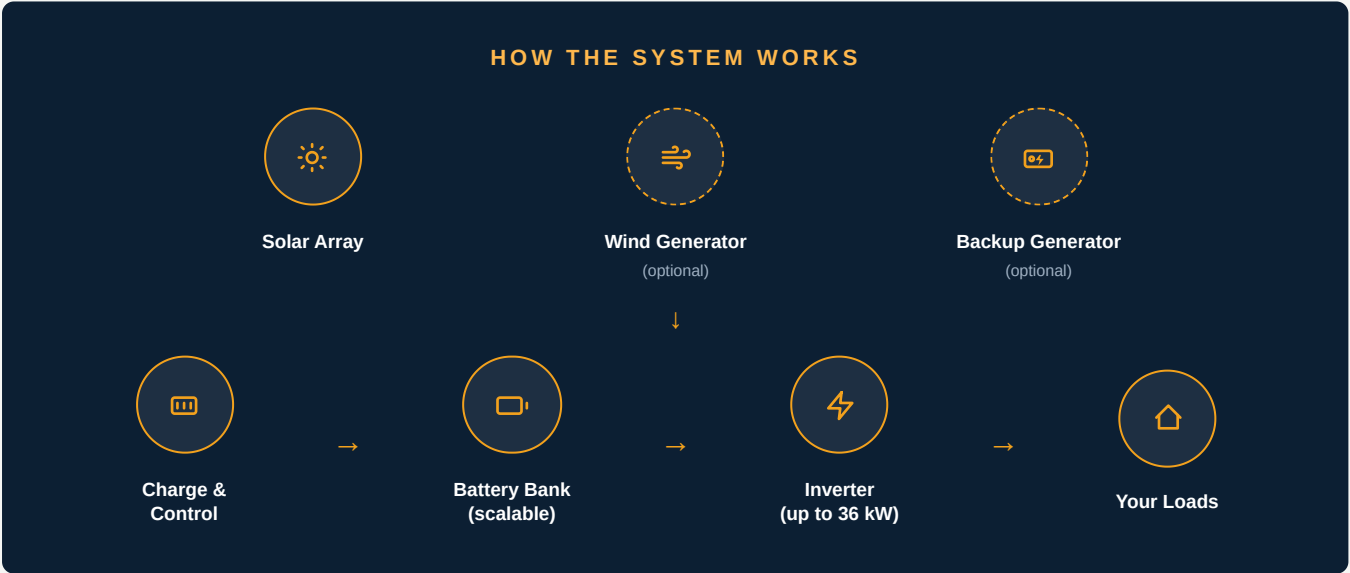
Optional Wind Generator Input

Combine solar and wind charging inputs where a wind resource is available, to maximise renewable generation across variable weather.

System specifications

Battery Capacity	Scalable up to 100 kWh usable storage, sized to your energy needs
Battery Technology	Lithium Iron Phosphate (LiFePO4) — more stable and safer across Australia's ambient temperature range. Designed and assembled in Australia.
Inverter Output	3–36 kW single-phase, or 15–36 kW three-phase, matched to your loads
Solar Charging	MPPT solar charge controller(s), sized and multiplied to suit your panel array. Input range 120–500 VDC per string.
Backup Generator Input	Optional — integrates for extended autonomy in low-sun or high-demand periods
Wind Generator Input	Optional — combine with solar charging where a wind resource is available
Configuration	Standalone, self-contained, fully pre-wired to your design
Safety & Protection	Integrated circuit protection, isolation and system monitoring
Installation	Delivered ready to connect and go
Warranty	5 years on the battery pack, 3 years on inverters
Ideal Applications	Off-grid homes, remote sites, farms, construction & backup power

Every system is individually specified — see our companion guide, "What We Need To Design Your System," for the details we'll ask for. Final figures (dimensions, weight, cycle life, warranty, certifications) confirmed at quote stage.



WHY AN ENGINEERED SOLUTION, NOT OFF-THE-SHELF?

Off-grid, there's no fallback to the grid if a system falls short. Reliable power means matching battery and inverter capacity to your solar (and wind) generation, your daily energy consumption and your peak appliance demand — which is why every system is engineered around your numbers, not sold off the shelf.

APPLICATIONS

Built for wherever you need power

Designed as a complete power solution for locations without reliable access to the grid. Every system is individually engineered around your site and requirements — ask us for our companion guide, "What We Need To Design Your System," to see how the process works.

● Off-grid homes & cabins

Full-time reliable power for residential properties beyond the grid.

● Remote worksites & mining camps

Robust 3-phase power for equipment, camps and site infrastructure.

● Agriculture & irrigation

Powers pumps, motors and farm equipment in the field.

● Construction sites

Temporary or semi-permanent power without a grid connection or generator.

● Telecommunications & infrastructure

Continuous, dependable power for critical remote installations.

● Emergency & backup power

Rapid-deployment power reserve for outages and critical operations.



Ready to go off-grid?

Get in touch to discuss your site, your energy needs and a custom-designed off-grid power system.

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