

GETTING STARTED

What we need to design your system

Every off-grid power system we build is custom-engineered around your site, your equipment and your energy goals. Before we can specify your battery capacity, inverter size, solar charging and any optional backup inputs, we gather information across the following areas.

1

Site & location

Where the system will be installed, access for delivery and installation, and local climate conditions that affect solar (and wind) resource.

2

Your energy usage

Typical daily energy consumption (kWh/day) and peak demand, so battery and inverter capacity can be sized correctly.

3

Electrical supply requirements

Whether you need single-phase or 3-phase power, and any equipment with high starting or running current — motors, pumps, compressors and similar.

4

Critical & must-run loads

Equipment or appliances that must keep running during low-sun periods or maintenance, so battery reserve is sized with the right margin.

5

Solar array details

Available roof or ground space, orientation and shading, and existing or planned panel specifications, to size and configure MPPT charging.

6

Backup power preferences

Whether a generator input for backup charging is wanted, and details of any existing or planned generator.

OPTIONAL ADD-ON

7

Wind resource

Whether wind generation is available or of interest at your site, so a wind generator input can be included.

OPTIONAL ADD-ON

8

Budget & timeline

Your budget range and project timeline, to help us recommend the right configuration and delivery schedule.

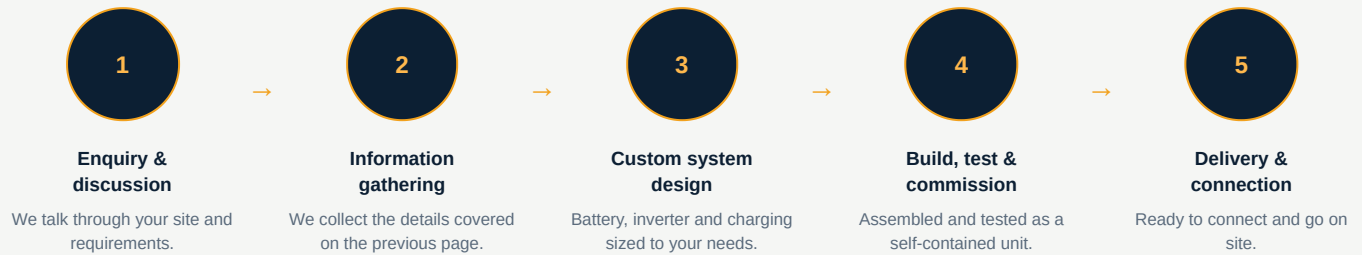
WHY WE ASK

Battery size (up to 100 kWh), inverter rating (3–36 kW single-phase, 15–36 kW three-phase), MPPT charger size and number, and optional generator or wind inputs are all variables in every system we build. The more we understand about your site and how you'll use power, the more precisely we can size a system that meets your needs — without paying for capacity you don't need. Every system is built around a Lithium Iron Phosphate (LiFePO4) battery pack, designed and assembled in Australia and backed by a 5-year battery / 3-year inverter warranty.

OUR PROCESS

From enquiry to switch-on

Once we have the information above, here's how your system comes together.



Not sure about some of the details yet? That's fine — we can help work through your energy usage and equipment list together during the enquiry stage. The more information you can provide up front, the faster we can turn around an accurate design and quote.



Ready to start your enquiry?

Get in touch and we'll guide you through what's needed to design your custom off-grid power system.

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