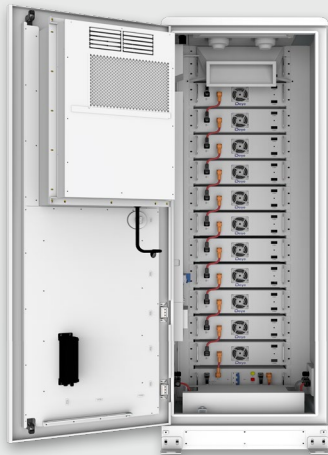


Dingo 29.9

LUDICROUS MODE FOR YOUR HOME



3 x MPPTs
built-in

Air-conditioned
battery cabinet

4G monitoring
backup included

Compatible with
RedEarth's PPP

10-year
warranty*

Dingo 29.9 is:

- STC rebate or LGC eligible
- EV charger ready
- Energy trading ready

RedEarth's Dingo 29.9 is the most powerful battery you can install at your on-grid home without special applications and additional safety equipment. Dingo 29.9 comes with 61.4kWh as standard. Extra battery modules can be added, up to 368.4kWh for when you want to go far. This versatility ensures effortless and effective power when you need it.

Of course Dingo 29.9 can also be used in your small business or to support the extra loads from EV chargers in apartment buildings. It is also just as comfortable in off-grid applications. Like all of RedEarth's products, Dingo 29.9 is fully engineered, assembled, and tested to Australian standards at RedEarth's factory in Brisbane. Features include:

- ✓ **Versatile Power Hub:**
The Dingo 29.9 seamlessly integrates grid, generator, and load ports achieving a truly unique level of flexibility.
- ✓ **Dynamic AC-Coupled Solution:**
The Dingo 29.9kW partners effortlessly with micro-inverters and standard string PV inverters allowing you to connect an additional 30kW of PV from your home.
- ✓ **Reliable Backup with Generator Support:**
No grid, no worries – in the face of grid outages, the Dingo 29.9 can start up your backup generator to power loads and charge the battery.
- ✓ **Smart Load Management:**
No generator or AC-coupled solar? The generator port can be easily converted to a smart load port, providing intelligent load management, and ensuring your solar and battery is consumed as efficiently as possible.
- ✓ **Private Power Plant Ready:**
The Dingo 29.9 keeps your power in your hands with native support for RedEarth's Private Power Plant, including energy trading and peer-to-peer power sharing.

Outdoor-rated and easy-to-install, the Dingo 29.9 system comes pre-configured as a complete solution with whole house backup functionality.



*Specific terms and conditions apply. Please see Dingo Warranty Statement on website.

| Specifications | Three Phase |
|------------------------|---|
| Power output options | Max. AC output power of 29.9kW |
| Solar input | Connect up to 59.8kW of solar panels to the three MPPTs (150-800Vdc). Connect another 30kW PV inverter to the Smart Port for a total of up to 89.8kW of PV panels. |
| Battery | 61.4kWh. Add up to 5 more 60kWh modules for a total of 368.4kWh max. |
| Electrical connections | PV cables connected directly to pre-installed Devalan connectors. LOAD, GRID and SMART PORT (Gen) connections directly to the inverter. |
| Monitoring | Monitoring hardware included and activated via RedEarth's EMU app (subject to network availability and Optimum subscription). |
| Energy trading | On-grid systems only |
| EV charger | Up to 22kW DC fast charger |

Dingo 29.9kW configuration options

Each 29.9kW Dingo can support up to six battery cabinets (total 368.4kWh).



Need support? No worries.

RedEarth is with you all the way, from technical support during installation, to ongoing monitoring and guidance for your system for years to come. Our Australian-based team is on call to make *powering yourself* as easy as possible. We also offer information sessions and training for installers at our factory in Brisbane. Give us a call today to see how you can future-proof your home with a RedEarth system.

www.redearth.energy
1800 RE ENERGY (1800 733 637) | sales@redearth.energy
15 Fienta Place, Darra, Brisbane, QLD Australia 4076

Power yourself.



DINGO 29.9 TECHNICAL SPECIFICATIONS

| Battery input data | |
|--|--|
| Battery capacity | 61.4kWh per cabinet. Max. of six cabinets (=368.4kWh) |
| Battery voltage range (V) | 160-800 |
| Max. charging current (A) | 50 + 50 |
| Max. discharging current (A) | 50 + 50 |
| Number of battery input | 2 |
| PV string input data | |
| Max. PV input power (W) | 59,800 |
| Max. DC input voltage (V) | 1,000 |
| Start-up voltage (V) | 180 |
| MPPT range (V) | 150-850 |
| PV input current (A) | 36 + 36 + 36 |
| Max PV I_{sc} (A) | 55 + 55 + 55 |
| No. of MPPT trackers | 3 |
| No. of strings per MPPT tracker | 2 + 2 + 2 |
| AC data (output/input) | |
| Rated AC output and UPS power (W) | 29,900 |
| AC output rated current (A) | 43.4 |
| Peak power (off-grid) | 1.5 times of rated power, 10 S |
| Max. three-phase unbalanced output current (A) | 60 |
| Max. continuous AC passthrough (A) | 200 |
| Generator Total Harmonic Distortion (THDi) | <3% (of nominal power) |
| Protection | |
| Integrated | Anti-islanding protection, PV string input reverse polarity protection, insulation resistor detection, residual current monitoring unit, output over current protection, output shorted protection, surge protection, arc fault circuit interruption (AFCI optional) |
| Certifications and standards | |
| Grid regulation | AS/NZS 4777.2 |
| Safety EMC / standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 |
| General data | |
| Operating temperature range (°C) | -40 to +60°C, >45°C derating |
| Cooling | Air-conditioner for battery cabinet + smart cooling for inverter |
| Noise (dB) | ≤65 dB |
| Weight (kg) | 1015 per battery cabinet + 80 inverter |
| Size (mm) | 735W x 1050D x 2235H per cabinet + 527W x 321D x 894H for inverter |
| Protection degree | IP55 battery cabinet IP65 inverter |
| Inverter topology | Non-isolated |
| RedEarth warranty | 10 years (AU & NZ and South Pacific region). Terms and conditions apply |

Intelligent battery temperature control

The system meets 1C high rate operation, **built-in air conditioner**, meaning the max. temp. of the battery is <40°C

Fire suppression systems

Built-in aerosol fire extinguishing system for battery cabinet

Intelligent battery management

Intelligent BMS with active cell balancing

Power yourself.