PX30

30kW/30kWh Solution

Federal Battery Rebate Ready
Australia's Smallest Big Battery System

Key Benefits

- **On & Off-Grid Compatible:** Full load backup and generator Ready
- **Plug & Play Installation:** Hot-dip galvanised skid requires no concrete slab
- **Peak Shaving Ready:** 29.9kW continuous power with 1.5x peak capability
- **Solar Optimised:** 59.8kW allowable solar array with advanced MPPT tracking
- **Australian Engineered:** Built for harsh conditions (-40°C to +60°C) in and outdoors
- **Smart Monitoring:** Pandora control and management with WiFi/LAN/4G connectivity

Why Choose PX30?

Compact Design: Space-efficient solution minimises site footprint while maximising energy density.

Proven Reliability: LFP battery technology with 10-year Australian warranty and comprehensive protection systems.

Complete Solution: PAX provides all 9 essential system components including full engineering support.

Smart Integration: Advanced energy management system optimises solar generation, grid interaction, load management and optional generator control automatically.

Installation & Support

- Prewired switchgear and inbuilt bypass reduce installation time
- Comprehensive installer documentation and rewards program
- Ongoing technical support from our Australian-based engineering team
- 10-year warranty within Australia - Terms and Conditions Apply

PX30

30kW/30kWh Solution

Federal Battery Rebate Ready

Australia's Smallest Big Battery System

AC Data	
Rated Output Active Power (kW)	29.9
Peak Power (off-grid)	1.5 times rated power for 10s
Rated AC Output Current (A)	43.4
Max. continuous AC passthrough (A)	100
AC Switchgear	Prewired 100A Supply/Load/Smart Port MCBs + Bypass

Battery Data	
Battery Type	LFP (100Ah EVE Cells)
Operating Voltage (Vdc)	249.6-350.4
String Nominal Voltage (Vdc)	6 x 51.2 = 307.2
Max Dis/Charge Current (Adc)	50+50
Nominal Battery Capacity (kWh)	30.72 = 6 x 5.12

PV Data	
Allowable Array Size (kW)	59.80
Usable Array Size (kW)	44.85
PV Input Voltage Range (Vdc) – Startup	180-1000
MPPT Voltage Range (Vdc)	150-850
Full Load MPPT Voltage Range (Vdc)	360-850
Max. Operating PV Input Current (Adc)	36+36+36
Max. Input Short-Circuit Current (Adc)	55+55+55
No. of Strings per MPP Tracker	2+2+2

Monitoring and Control	
Internet Connectivity	WiFi and LAN Ready or Optional 4G Sim / Starlink Subscription
Pandora – PAX's Software Platform	Advanced Control / Proactive Monitoring / Fleet Management

Protection & Certifications	
Equipment Protection	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, Thermal Protection, DC Terminal Insulation Impedance Monitoring, DC Component Monitoring, Ground Fault Current Monitoring, Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch, Overvoltage Load Drop Protection, Residual Current (RCD) Detection
Anti-islanding Protection	Yes(Active Frequency Shift)
Surge Protection Level	TYPE II (DC), TYPE II(AC)
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	
Mounting specifications	Hot-dip galvanised skid – no concrete slab required
Operating Temperature Range	-40 to +60℃, >45℃ Derating
Climate Control	Active Ventilation
Noise	≤ 65 dB
Inverter Topology	Non-Isolated
System Dimensions (mm)	1149W x 880D x 1532H
Weight (Inv + Batt + Enclosure) (kg)	563 = 80 + (6*44+17) + 202
Ingress Protection Rating (IP)	IP65
Warranty	10 years (Within Australia) – Terms and Conditions Apply