

PX30

15 or 29.9kW / 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:** Up to 29.9kW continuous power with 1.5x peak capability
- **Solar Optimised:** Up to 59.8kW allowable solar array with advanced MPPT tracking
- **Australian Engineered:** Purpose-built for flexible indoor and outdoor deployment
- **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 built-in bypass reduce installation time
- End-to-end installer guidance and rewards program
- Ongoing technical support from our Australian-based engineering team
- 10-year warranty within Australia. Terms and conditions apply



Model	PX30 - 15kW	PX30 - 29.9kW
AC Data		
Rated Output Active Power (kW)	15	29.9
Peak Power (off-grid)	2 times rated power for 10s	1.5 times rated power for 10s
Rated AC Output Current (A)	20.3	43.4
Max. continuous AC passthrough (A)	70	100
AC Switchgear	Prewired 80A Supply/Load/Smart Port MCBs + Bypass	Prewired 100A Supply/Load/Smart Port MCBs + Bypass
Battery Data		
Battery Type	LFP (100Ah Cells)	
Operating Voltage (Vdc)	250 - 350	
String Nominal Voltage (Vdc)	307.2 (6 x 51.2)	
Max Dis/Charge Current (A _{dc})	50 + 50	
Nominal Battery Capacity (kWh)	30.72 (6 x 5.12)	
PV Data		
Allowable Array Size (kW)	30	59.8
Usable Array Size (kW)	21.00	44.85
PV Input Voltage Startup Range (Vdc)	160 - 800	180 - 1000
MPPT Voltage Range (Vdc)	160 - 650	150 - 850
Full Load MPPT Voltage Range (Vdc)	350 - 650	360 - 850
Max. Operating PV Input Current (A _{dc})	36 + 20	36 + 36 + 36
Max. Input Short-Circuit Current (A _{dc})	54 + 30	55 + 55 + 55
No. of Strings per MPP Tracker	2 + 1	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		
Inverter Model	SUN-15K-SG01HP3-AU-AM2	SUN-29.9K-SG01HP3-AU-BM3
Mounting specifications	Hot-dip galvanised skid – no concrete slab required	
Operating Temperature Range	0 to +55°C, >45°C Derating	
Climate Control	Active Ventilation	
Noise	≤ 65 dB	
Inverter Topology	Non-Isolated	
System Dimensions (mm)	1149W x 880D x 1532H	
Weight (Inv + Batt + Balance) (kg)	600 (50 + 280 + 270)	630 (80 + 280 + 270)
Ingress Protection Rating (IP)	IP65	
Warranty	10-year warranty within Australia. Terms and conditions apply.	

