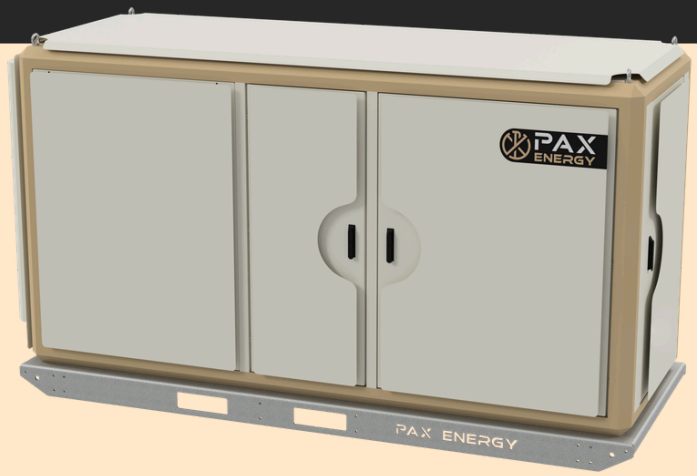
PX240



125kW/241kWh Solution

Join 4 units together for up to 500kW of power
Energy Storage for Large Commercial & Industrial Applications

Key Benefits

- **On & Off-Grid Compatible**: Full load backup and generator Ready
- **Industrial Scale**: 125kW continuous power output modules
- **Scalable to 500kW with included AC combination**
- **Massive Capacity**: 241kWh storage with 2+ hour duration
- **Maximum Solar**: 200kW solar array integration with 8 MPPT trackers
- **Australian Engineered**: Built for harsh conditions (0°C to +55°C) in and outdoors
- **Smart Monitoring**: Pandora control and management with WiFi/LAN/4G connectivity

Why Choose PX240?

Industrial Engineering: Purpose-built hot dip galvanised skid for demanding commercial and industrial environments.

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 160-800A MCCBs and inbuilt bypass reduce installation complexity
- Comprehensive installer documentation and rewards program
- Ongoing technical support from our Australian-based engineering team
- 10-year warranty within Australia - Terms and Conditions Apply

Contact PAX Energy today for a customised quote and site assessment.
www.paxenergy.au | sales@paxenergy.au | Call/WhatsApp: 0412 729 036 | LinkedIn: PAX

PX240

AC Data	
Rated Output Active Power (kW)	125
Peak Power (off-grid)	1.1 times rated power for 10s
Rated AC Output Current (A)	181
Max. continuous AC passthrough (A)	800
AC Switchgear	Prewired 160-800A Supply/Load/Smart Port MCCBs + Bypass
Battery Data	
Battery Type	LFP (314Ah Cells)
Operating Voltage (Vdc)	624-876
String Nominal Voltage (Vdc)	768 = 15 x 51.2
Max Dis/Charge Current (Adc)	180
Nominal Battery Capacity (kWh)	241.20 = 15 x 16.08
PV Data	
Allowable Array Size (kW)	200
Usable Array Size (kW)	200
PV Input Voltage Range (Vdc) – Startup	200-1000
MPPT Voltage Range (Vdc)	180-850
Full Load MPPT Voltage Range (Vdc)	450-850
Max. Operating PV Input Current (Adc)	40 per each of the 8 trackers
Max. Input Short-Circuit Current (Adc)	60 per each of the 8 trackers
No. of Strings per MPP Tracker	2 per each of the 8 trackers
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, IEC 61727, IEC62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105
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	0 to +55℃, >45℃ Derating
Climate Control	Active Ventilation - Uncovered Indoor or Enclosed Outdoor Use Optional Weather-proof Air-conditioner
Noise	≤ 65 dB
Inverter Topology	Non-Isolated
System Dimensions (mm)	2905W x 1110D x 1828H
Weight (Inv + Batt + Enclosure) (kg)	2,259 = 159 +(15*122+20) + 250
Ingress Protection Rating (IP)	IP65
Warranty	10 years (Within Australia) – Terms and Conditions Apply

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