

POWERSHIFT

POWRBANK « MAX

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MAX POWER, CAPACITY & RELIABILITY

The POWRBANK MAX is a large-scale mobile battery energy storage system, engineered for high-powered commercial and industrial applications. Designed for flexibility and fast deployment, the MAX can support short or long-term temporary power requirements, delivering instant power with the capacity to support long durations between recharging.

The MAX can power a variety of large plant, equipment and buildings and offers exceptional versatility through multiple charging options including a small grid connection, solar, generator or a combination, with the ability to charge and discharge simultaneously. Remote monitoring capability ensures you're also always connected and always in control.

- Reduce emissions by up to 75%
- Quiet, continuous power
- Capable of complex configurations
- Ruggedised, marine-grade container
- Dual HVAC and rockwool insulation
- Aerosol-based fire safety system

MODEL	VOLTS	kVA	kWh	PHASE
M300.600/400	400	330	597	3

POWER

Output (stand alone)	Mode of Operations	Grid Forming and Following
	Grid Code Standard	AS/NZS 4777.2:2020, EN 50549-1:2019, G99, VDE-AR-N 4105:2018
	Region of Application	Australia
Combined System Output	Continuous Output (A / kVA)	400A / 277kVA
	Peak Output (A / kVA)	480A / 330kVA
	Run-Time @ Max Combined Output (H)	Unlimited
Input/Output	AC Input Voltage Range	310V – 450V
	AC Output Voltage - 50 Hz	400V
	Input Connections	500A Powerlock, 125A CEE Inlet, 32A CEE Inlet, 16A CEE Inlet
	Output Connections	500A Powerlock, 125A CEE Outlet, 32A CEE Outlet, 16A CEE Outlet
	Protection	Overload, Overheat, Short Circuit, Earth Fault, Back Feed Protection

STORAGE

Type	LFP
Nominal Capacity @ 25°C	597 kWh (@0.75C Max)
Charge Time @ 25°C ¹	3 Hr at No Load
System Efficiency	95%
Battery Management System	Industrial Grade Intelligent Passive BMS Optimized for HES
Expected Cycle Life (To 80% Depth of Discharge)	>7000 Cycles
Maintenance Charge Cycle	3 Months

CONTROL

Control Panel	ECM 10" Touch Screen Control Module
Temperature Control	HVAC System for Cooling and Heating
Remote Generator Start	Dry Contact Relay
Remote Communication	3G/4G Dual SIM Modem/Router, POWR2 Portal

ENVIRONMENTAL

Water/Ingress Protection Rating	Nema 3R/ IP55
Operating Temperature Range (°C)	-35°C to 55°C (Derating Above 50°C)
Sound Level (dBA)	<68dB @ 1m

MECHANICAL

Dimensions L x W x H metres (feet)	2.89m x 2.44m x 2.59m (8ft x 10ft x 8.5ft)
Weight	9,200kg
Lift Points	Forklift Pockets, Lifting Rings

¹ Charge time dependent on available power of external source and operating temperature