

# POWERSHIFT

## POWRBANK « MAX

MANUFACTURED BY POWR2.  
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### EMISSION-FREE, SILENT POWER

The POWRBANK MAX is an award-winning mobile battery energy storage system, engineered for use across a wide range of high-powered industrial applications. It can handle large loads like tower cranes, pumps and hoists - across peak, low loads and also at engine start-up.

When coupled with a generator, the generator is only used to recharge the POWRBANK battery, reducing run-times, fuel consumption and CO2 emissions by up to 75%. With the onboard Energy Control Module, the POWRBANK constantly monitors load levels and automatically switches between generator power and stored energy.

- Eliminate generator oversizing
- Save on fuel
- Cut down CO2 emissions
- Experience silent power
- Increase efficiencies



MODEL	VOLTS	kW	kWh	PHASE
M300.600/400	400	300	597	3

### POWER

Output (stand alone)	Standing Rating 10 min (kW)	330
	Mode of Operations	Grid Forming <sup>2</sup> and Following
	Grid Code Standard	AS/NZS 4777.2:2020, EN 50549-1:2019, G99, VDE-AR-N 4105:2018
	Output Rating Prime (kW)	300
Combined System Output	Region of Application	Australia
	Continuous Pass Through Per Phase (A)	400
	Maximum Combined Output Per Phase (A)	400
	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 <sup>1</sup>	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 – 60°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 )
Lift Points	Forklift Pockets, Lifting Rings



<sup>1</sup>Charge time dependent on available power of external source and operating temperature

<sup>2</sup>Grid Forming mode is subject to test

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