

# »POWRBANK MAX

## EMISSION-FREE, SILENT POWER

The POWRBANK MAX reduces CO2 emissions and eliminates unwanted noise. The POWRBANK MAX can handle large loads including, but not limited to, tower cranes, pumps, and hoists. It can handle both the peak loads at engine start-up, as well as the low loads. The power generator is only used to recharge the POWRBANK battery.

With the onboard energy control module, the POWRBANK constantly monitors load levels and automatically switches between generator power and stored energy.

- Eliminates generator oversizing
- Minimizes generator emissions
- Conserves fuel
- Provides extended periods of silent power
- Reduces generator service frequency



MODEL	VOLTS	kW	kWh	PHASE
M250.500/480	480	250	500	3

### POWER

Output (stand alone)	Standing Rating 10 min (kW)	275
	Mode of Operations	Grid Forming <sup>2</sup> and Following
	Grid Code Standard	IEEE 1547: 2018, UL1741
	Output Rating Prime (kW)	250
Combined System Output	Region of Application	North America
	Continuous Pass Through Per Phase (A)	300
	Maximum Combined Output Per Phase (A)	300
Input/Output	Run-Time @ Max Combined Output (H)	Unlimited
	AC Input Voltage Range	440V – 520V
	AC Output Voltage - 60 Hz	480V
	Input Connections	480A Camlock, 15A Inlet
	Output Connections	480A Camlock, 20A Outlet
Power Conversion & Handling	Protection	Overload, Overheat, Short Circuit, Earth Fault, Back Feed Protection
	AC/DC Chargers	Five (5) Onboard Chargers
	Inductor	Integrated Inductor
	Double-Conversion UPS Operation	Integrated chargers enable double-conversion UPS operation, electrically isolating the load from the source to ensure seamless power continuity.

### STORAGE

Type	LFP
Nominal Capacity @ 25°C	501 kWh
Charge Time @ 25°C <sup>1</sup>	2.25 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	ADVANTAGE by POWR2, 10" Touch Screen Control Module and Energy Management Cloud
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	10ft x 8ft x 8.5ft
Weight (kg / lbs)	9500 / 20,945
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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