POWR2

NOBLE IQ

»POWRBANKHYBRID

ULTIMATE ENERGY STORAGE & GENSET COMBO

Combining cutting-edge POWR2 POWRBANK technology with a reliable generator, this system is built for easy rental, deployment, and operation across various temporary power applications.

- Rental-Ready for Streamlined Selling Process
- Fast Power Deployment
- Increased Energy Efficiency

BATTERY STORAGE

POWER

Output (stand alone)	Standby Rating 30 min (kVA) @ 77°F [1]	40
	Prime Rating (KW) @ 77°F / 104°F [1]	32 / 25
	Full Load Current	133A
Output (when external source available)	Maximum Load per Phase Before Generator Start Command (kW) [1, 2]	13.6 (Immediate Start) 12 (5mins)
	Maximum Load (all phases) Before Generator Start Command (kW) [5]	23.9 (2 hours)
Combined System Output	Continuous Pass Through per phase (External Source Only) (A)	200
	Max Combined Output per phase (External Source + HES) (A) [1]	250
	Max Power Assist (kVA)[1]	32
Input/Output	AC Input Voltage Range (V)	240 (200 - 280)
	AC Output Voltage - 60 Hz (V)	120/240
	Input Connections	CAM Type Connectors, Power Terminals & NEMA (5-15P) 15A 120V Inlet
	Output Connections	CAM Type Connectors, Power Terminals & NEMA (5-20R) 20A 120V Outlet
	Protection	Overload, Overheat, Short Circuit

STORAGE	Type	LFP (Lithium Iron Phosphate)
	Nominal Capacity @ 77°F (kWh)	56.8
	Charge Time (hours) @ 77°F [3]	3h30´
	Maximum Efficiency @ 77°F	90%
	Battery Management System	Industrial Grade Intelligent Passive BMS Optimised for HES Applications
	Expected Cycle Life (To 80% Original Capacity)	6,000
	Maintenance Charge Cycle	≤ 3 weeks
CONTROL	Control Panel	ADVANTAGE by POWR2, 10" Touch Screen Control Module and Energy Management Cloud
	Temperature Control	Analogue Voltage Controlled Forced Air Cooling
	Remote Generator Start	Dry Contact Relay
	Remote Communication	3G/4G Dual SIM Modem/Router, POWR2 Portal
ENVIRONMENTAL	Water/Ingress Protection Rating	NEMA 3
	Operating Temperature Range (°F)[4]	10 - 122
	Sound Level (dBA) @ 0% / 100% Fan Speed	Acoustic Pressure @ 3m: 0 /66
MECHANICAL	Dimensions L x W x H (mm / inches)	1450 x 1238 x 1723 / 57.09 x 48.74 x 67.83
	Weight (kg/lbs)	1360 / 3000
	Lift Points	Forklift Pockets, Single Lift & Drag Skid

[1] Depending on battery bank SoC [2] Multiple start conditions available upon request for bespoke applications. [3] Charge time dependent on available power of external source and operating temperature. [4] When the internal battery temperature reaches below 32°F or above 100°F, the charge current is reduced to 0.05C to protect the batteries. [5] Without exceeding Max. Load per Phase. Document updated June 2025. While POWR2 aims to ensure all documentation is accurate, no responsibility will be accepted for errors or omissions. This document is not intended to be contractual.

GENERATOR

Generator Specs	Prime Power (PRP)	39kW / 48.8kVA
	Standby Power (LTP)	43kW / 53.8kVA
	Rated Power Fator	0.8
	RPM	1800
	Voltage (1PH)	240/120V
	Voltage (3PH)	480/277V 208/120V
	Rated Frequency (Hz)	60
	Controller Brand	Deep Sea
	Controller Model	DSE7310
	Sound Level @23 Feet (no load)(dB)	69
Amps	Single Phase 120V zz	125x2 zz Amps
	Single Phase 240V	125 Amps
	Three Phase 208V	135 Amps
	Three Phase 480V	59 Amps
General Engine Data	Engine Brand	Kohler
	Engine Model	KDI2504TCR
	EPA Level	TIER4 FINAL
	Cylinders quantity	4
	RPM	1800
	Gross Horse Power	59.4 HP
	External Fuel Valve	Yes
	Fuel Containment	110%
Fuel Consumption	Fuel Type	Diesel
	Fuel Capacity	71 gal
	Fuel Cons. at 75% (P.R.P.)	2.01 gal/h
	Run Time @ 75%	35.32 gal/h
Alternator Data	Alternator Brand	Leroy Somer
	Alternator Model	LSA 42.3M7
	P.R.P. Power	50 kVA
	L.T.P. Power	55 kVA
	IP Protection	23
	Voltage Regulator	±0,25% AREP
	Short-Circuit Current	300 %: 10s
Weights & Dimensions without Trailer	Length x Width x Height	91 in x 44 in x 67.3 in
	Dry Weight (lbs)	3025
	Wet Weight (lbs)	3421

COMBINED DIMENSIONS AND WEIGHT

Weights & Dimensions without Trailer	Length x Width x Height	215.45 in x 75.48 in x 84.6 in
	Dry Weight (lbs)	7775

POWR2

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»POWRBANK PRO

EMISSION-FREE, SILENT POWER

The POWRBANK PRO energy storage system works with diesel generators to reduce carbon emissions and fuel usage by up to 80%. When used with renewable energy sources, it provides endless hours of zero-emission power.

MODEL	VOLTS	kVA	kWH	PHASE
P40.60/240	240	40	60	Single/Split

POWER

Output (stand alone)	Standby Rating 30 min (kVA) @ 77°F [1]	40
	Prime Rating (KW) @ 77°F / 104°F [1]	32 / 25
	Full Load Current	133A
Output (when external source available)	Maximum Load per Phase Before Generator Start Command (kW) [1, 2]	13.6 (Immediate Start) 12 (5mins)
	Maximum Load (all phases) Before Generator Start Command (kW) [5]	23.9 (2 hours)
Combined System Output	Continuous Pass Through per phase (External Source Only) (A)	200
	Max Combined Output per phase (External Source + HES) (A) [1]	250
	Max Power Assist (kVA)[1]	32
Input/Output	AC Input Voltage Range (V)	240 (200 - 280)
	AC Output Voltage - 60 Hz (V)	120/240
	Input Connections	CAM Type Connectors, Power Terminals & NEMA (5-15P) 15A 120V Inlet
	Output Connections	CAM Type Connectors, Power Terminals & NEMA (5-20R) 20A 120V Outlet
	Protection	Overload, Overheat, Short Circuit

STORAGE

Type	LFP (Lithium Iron Phosphate)
Nominal Capacity @ 77°F (kWh)	56.8
Charge Time (hours) @ 77°F [3]	3h30´
Maximum Efficiency @ 77°F	90%
Battery Management System	Industrial Grade Intelligent Passive BMS Optimised for HES Applications
Expected Cycle Life (To 80% Original Capacity)	6,000
Maintenance Charge Cycle	≤ 3 weeks

CONTROL

Control Panel	ADVANTAGE by POWR2, 10" Touch Screen Control Module and Energy Management Cloud
Temperature Control	Analogue Voltage Controlled Forced Air Cooling
Remote Generator Start	Dry Contact Relay
Remote Communication	3G/4G Dual SIM Modem/Router, POWR2 Portal

ENVIRONMENTAL

Water/Ingress Protection Rating	NEMA 3
Operating Temperature Range (°F)[4]	10 - 122
Sound Level (dBA) @ 0% / 100% Fan Speed	Acoustic Pressure @ 3m: 0 /66

MECHANICAL

Dimensions L x W x H (mm / inches)	1450 x 1238 x 1723 / 57.09 x 48.74 x 67.83
Weight (kg/lbs)	1360 / 3000
Lift Points	Forklift Pockets, Single Lift & Drag Skid

[1] Depending on battery bank SoC [2] Multiple start conditions available upon request for bespoke applications. [3] Charge time dependent on available power of external source and operating temperature. [4] When the internal battery temperature reaches below 32°F or above 100°F, the charge current is reduced to 0.05C to protect the batteries. [5] Without exceeding Max. Load per Phase. Document updated October 2024. While POWR2 aims to ensure all documentation is accurate, no responsibility will be accepted for errors or omissions. This document is not intended to be contractual.

»POWRBANK XPRO

POWR2 NOBLE IQ

EMISSION-FREE, SILENT POWER

The POWRBANK XPRO energy storage system works with diesel generators to reduce carbon emissions and fuel usage by up to 80%. When used with renewable energy sources, it provides endless hours of zero-emission power.

MODEL	VOLTS	kVA	kWH	PHASE
X60.120/208	208	60	120	Three

POWER

Output (stand alone)	Standby Rating 30 min (kVA) @ 77°F [1]	60
	Prime Rating (KW) @ 77°F / 104°F [1]	48 / 39
	Full Load Current	133A
Output (when external source available)	Maximum Load per Phase Before Generator Start Command (kW) [1, 2]	13.6 (Immediate Start) 12 (5 mins)
	Maximum Load (all phases) Before Generator Start Command (kW) [5]	35.9 (3 hours)
Combined System Output	Continuous Pass Through per phase (External Source Only) (A)	200
	Max Combined Output per phase (External Source + HES) (A) [1]	250
	Max Power Assist (kVA)[1]	55
Input/Output	AC Input Voltage Range (V)	208 (173 - 242)
	AC Output Voltage - 60 Hz (V)	208
	Input Connections	CAM Type Connectors, Power Terminals & NEMA (5-15P) 15A 120V Inlet
	Output Connections	CAM Type Connectors, Power Terminals & NEMA (5-20R) 20A 120V Outlet
	Protection	Overload, Overheat, Short Circuit

STORAGE

Type	LFP (Lithium Iron Phosphate)
Nominal Capacity @ 77°F (kWh)	127.9
Charge Time (hours) @ 77°F [3]	4h
Maximum Efficiency @ 77°F	90%
Battery Management System	Industrial Grade Intelligent Passive BMS Optimised for HES Applications
Expected Cycle Life (To 80% Original Capacity)	6,000
Maintenance Charge Cycle	≤ 4 weeks

CONTROL

Control Panel	ADVANTAGE by POWR2, 10" Touch Screen Control Module and Energy Management Cloud
Temperature Control	Analogue Voltage Controlled Forced Air Cooling
Remote Generator Start	Dry Contact Relay
Remote Communication	3G/4G Dual SIM Modem/Router, POWR2 Portal

ENVIRONMENTAL

Water/Ingress Protection Rating	NEMA 3
Operating Temperature Range (°F)[4]	10 - 132
Sound Level (dBA) @ 0% / 100% Fan Speed	Acoustic Pressure @ 3m: 0 /66

MECHANICAL

Dimensions L x W x H (mm / inches)	2250 x 1398 x 2062 / 88.6 x 55.0 x 81.2
Weight (kg/lbs)	2700 / 5952
Lift Points	Dual Rotable Lifting Ring (2 Point Lift), Forklift Pockets, Lift & Drag Skid

[1] Depending on battery bank SoC [2] Multiple start conditions available upon request for bespoke applications. [3] Charge time dependent on available power of external source and operating temperature. [4] When the internal battery temperature reaches below 32°F or above 100°F, the charge current is reduced to 0.05C to protect the batteries. [5] Without exceeding Max. Load per Phase. Document updated August 2024. While POWR2 aims to ensure all documentation is accurate, no responsibility will be accepted for errors or omissions. This document is not intended to be contractual. Datasheet X60.120-208_v5

»POWRBANK XPRO+

POWR2 NOBLE IQ

EMISSION-FREE, SILENT POWER

The POWRBANK XPRO PLUS energy storage system works with diesel generators to reduce carbon emissions and fuel usage by up to 80%. When used with renewable energy sources, it provides extended periods of zero-emission power.

MODEL	VOLTS	kVA	kWH	PHASE
XP 100.100	480	100	108	Three
	208	52	108	Three

Battery Specifications	Model	Pylontech M3A Battery
	Battery Type	LFP (LiFePO4)
	System Weight	2,900kg / 6,393lbs
	Dimensions	19" Standard Rack Dimensions
	Mounting	Rack Mounted
	Warranty	5 Year Product Warranty, 10 Year Performance Warranty or 6,000 cycle life
	Safety Standards[4]	UL1642, UL1973, UL9540A, UN38.3, IEC 62619, IEC 62477-1, VDE -AR-E 2150-50:2017, EN IEC 61000-6 (-1:2019, -2:2019, -3:2007+A1, -4:2007+A1, -1:2016, -2:2016, -3:2006+A1, -4:2018)
Electrical	Energy Capacity	108kWH
	Usable Capacity	97.2kWH
	Depth of Discharge	90%
	Nominal Voltage	729.6V
	Operating Voltage	615.6V - 820.8V
Operation	Max Charging Current	148A
	Max Discharging Current	148A
	Operating Temperature[1]	-20°C to 65°C
	Humidity	0-95%
BMS	Modules	19 Modules in Series
	Power Consumption	< 160W (Working), < 20W (Sleep)
	Monitoring Parameters	System Voltage, Current, Power, Cell Voltage, Cell Temperature, Cycle Times, SoC, Module PCB Temperatures, BMS and Power Terminal Temperature
	Communication	CAN and LAN Compatible
Certificate	Transportation	UN38.3
	Model	Oztek RS-40
Inverter Specification	Battery Type	LFP (LiFePO4)
	System Weight	43kg / 97lbs
	Dimensions	19" Standard Rack Dimensions
	Mounting	Rack Mounted
	Warranty	5 Year Product Warranty
	Safety Standards[4]	UL1741SA, CA Rule 21 Phases 2 & 3, CSA 22.2 #17, IEEE 1547, Sunspec Cert #032-001, California Energy Commission, SGIP, IEEE 519, IPC9592
Battery Input Data	System Voltage Range	615-820VDC
	Max Charging Current	148ADC
	Max Discharging Current	148ADC
	Nominal Voltage	729VDC

AC Output Data on Grid	Nominal AC Power (kW)	200kW
	Max AC Power (kVA)[2]	207kVA
	Max AC Current (A)	250A
	Nominal Input Voltage Range (V)	440V - 520V / 187V - 240V
	Nominal Output Voltage (V)	1. Standard - 480V (3 Phase - Wye), 2. Auxiliary Output Voltage - 120VAC - 1 Phase / 1. Standard - 208V (3 Phase - Wye)
	Nominal Frequency (Hz)	60Hz ± 0.5Hz
	THDi	< 3%
	Power Factor	Adjustable (From -1 to +1)
AC Output Data (Standalone)	Nominal AC Power (kW)	103kW @ 480V / 45kW @ 208V[3]
	Max AC Power (KVA)	120kVA @ 480V / 52kVA @ 208V
	Max AC Current (A)	125A (3 Phase), 15A (1 Phase Auxiliary)
	Nominal Output Voltage (V)	1. Standard Voltage - 480V (3 Phase - Wye) / Standard Voltage - 208V (3 Phase - Wye) 2. Auxiliary Output Voltage - 120VAC
	Nominal Frequency (Hz)	60Hz ± 0.5Hz
Protection	AC Overcurrent Protection	Integrated
	Earth Fault Monitoring	Integrated
	Anti-Islanding Protection	Integrated
General Data	Dimensions (mm/in)	2,647mm x 1,398mm x 2,060mm / 104in x 55in x 81 in
	Weight	3,300kg / 7,275lbs
	Ambient Temperature	-20°C to 65°C / -4°F to 149°F
	Relative Humidity	0-95%
	Topology	Bi-directional, Galvanically Isolated
	Standby Losses	< 250W
	Cooling & Heating	Forced Cooling with HVAC and Heater
	Noise Emission	55db @ 1m
	Monitoring	10.1" HMI Display for Local Monitoring, Web-Based Portal for Remote Monitoring
	Communication	RS485, Ethernet and Modbus
	Connectivity	Wireless, 3G/4G Router
	Standard Warranty	5 Years
	Fire Hazard Protection	Audible Alarms, Thermal Detectors and Aerosol Containers
	Application Area	Non-Residential: Outdoor and Indoor

[1] When the internal battery temperature reaches below 32°F or above 113°F, the charge current is reduced to 0.05C to protect the batteries. [2] Rated standalone KVA rating [3] Power de-rating of the unit occurs at 208V. [4] Undergoing testing. Document updated October 2024. While POWR2 aims to ensure all documentation is accurate, no responsibility will be accepted for errors or omissions. This document is not intended to be contractual. Datasheet XPRO PLUS 100.100-480/208 v3.1

»POWRBANK MAX

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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[2] and Following
	Grid Code Standard	IEEE 1547: 2018, UL1741
	Output Rating Prime (kW)	250
	Region of Application	North America
Combined System Output	Continuous Pass Through Per Phase (A)	300
	Maximum Combined Output Per Phase (A)	300
	Run-Time @ Max Combined Output (H)	Unlimited
Input/Output	AC Input Voltage Range	440V – 520V
	AC Output Voltage - 60 Hz	480V
	Input Connections	480A Camlock, 15A Inlet
	Output Connections	480A Camlock, 20A Outlet
	Protection	Overload, Overheat, Short Circuit, Earth Fault, Back Feed Protection

STORAGE

Type	LFP
Nominal Capacity @ 25°C	501 kWh
Charge Time @ 25°C [1]	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

1Charge time dependent on available power of external source and operating temperature
[2]Grid Forming mode is subject to test