kinell

BESS 300/600

PRODUCT SHEET



ZERO LOCAL EMISSION

PROVEN TECHNOLOGY

SILENT

BESS 300/600

Emission-Free, Silent power Solution.

The Kinell Energy BESS offers a revolutionary **energy storage system** designed to be paired with diesel generating sets. This solution optimizes energy production and consumption, significantly **reducing noise, pollutant emissions, and engine operating times.**

Featuring an advanced integrated energy control module, the Kinell Energy BESS constantly monitors the load, and switches between the battery power source and the genset.

Model	Volts	kVA	kWh	Phases
BESS 300/600	400	300	597	3

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POWER MODE (STAND ALONE)

Power rating*	300 kVA
Full Power Current	400 A per phase
Output Voltage	400 / 230 VAC
Energy Storage Capacity	597 kWh

HYBRID SYSTEM MODE

Recommended Genset	300 to 350 kVA (for example FG Wilson P344-5)
Max Hybrid Output	300 kVA (BESS + Genset)

BATTERIES

Type	$LiFePO_4$ (Lithium Ion Phosphate)
Voltage	1,216 V
Expected Cycle Life (to 80% Original Capacity)	7,000 cycles
Full Charge Time	3 h

ENVIRONMENT

Operating Temperature Range	-12 to 50°C
Temperature Control	HVAC System for Cooling and Heating
Sound level @ 1m	Max 68 dB(A) (100% Fan Speed)
Water/Ingress Protection Rating	IP55

FEATURES

Dimensions (L x W x h)	2,438 x 3,048 x 2,591 mm
Weight	12 tonnes
Lift Points	Forklift pockets, Lifting ring and handling bumpers
Input Connections	Powerlock 500 A, CEE 125 A
Output Connections (user-adjustable)	Powerlock 500 A, CEE 125 A, CEE 16 A (1 Ph)
Protection	Overload, Overheat, Short Circuit, Earth Fault
Remote Communication	Modem 4G double SIM

*cos ϕ = 0,8, 25°C during 30 min

Kinell Energy, commercial name of GeniWatt company
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