

## BESS 25/50 PRODUCT SHEET



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Emission-Free, Silent power Solution.

The Battery Energy Storage system 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 GeniWatt BESS constantly monitors the load, and switches between the battery power source and the genset.

Model	Volts	kVA	kWh	Phases
BESS25/50	400	25	50	3

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## POWER MODE (STAND ALONE)

Power rating*	25 kVA
Full Power Current	36 A per phase
Output Voltage	400 / 230 VAC @ 50 Hz
Energy Storage Capacity	52 kWh
Recommended Genset	FG Wilson P22 / P33

## BATTERIES

Type	NMC
Voltage	48 V
Expected Cycle Life (to 85% Original Capacity)	2000 cycles
Full Charge Time	Between 4 and 5 h @ 16A

## ENVIRONMENT

Operating Temperature Range	-5 to 50°C
Sound level @ 3m	Max 66 dB(A) (100% Fan Speed)
Water/Ingress Protection Rating	IP55

## FEATURES

Dimensions (L x W x h)	1600 x 1100 x 1400 mm
Weight	650 kg
Lift Points	Forklift pockets, lift & drag skid, Lifting Ring
Input Connections (user-adjustable)	Type 2 (Electric vehicle)
Output Connections (user-adjustable)	32 A 400 V, 16 A 400 V and 4 x 16 A 230 V
Protection	Overload, Overheat, Short Circuit, Earth Fault