

MBE SERIES

ENERGY FOR THE ENVIRONMENT

GENERAC®

MOBILE

Battery Energy Storage Solution from Generac Mobile. Choose from:

MBE30 3-phase main input/output

MBE40 1-phase main input/output

- Create a hybrid energy system when combined with a mobile diesel generator.
- Improve mobile power performance by addressing problems of generator underloading, meeting peak load demand, noise, emissions, and fuel costs
- Provide reliable power in the most cost effective and environmentally sensitive way

CONSTRUCTION SITES



SPECIAL EVENTS



URBAN LOCATIONS



REMOTE AREAS



SAVE MONEY

Less fuel, refueling, generator service and maintenance



3

WAYS TO CHARGE

3-phase or 1-phase main input, 120 V maintenance charge, or DC charge options



0

dBa

When needed for noise sensitive areas



MODULAR SOLUTION

Scalable by connecting multiple units to extend battery-only runtime



1+1

Create a hybrid system with a mobile generator and the MBE storage system



UP TO 125 kWh

Total battery capacity



2 BATTERY OPTIONS

Li-ion and Lead acid for performance and operating environment



ZERO

CO2 emissions in battery-only operation



PLUG & PLAY

Single user interface using MBE control panel with generator connected



Powering a **Smarter World**

Energy FOR THE ENVIRONMENT

Demanding mobile power applications like construction worksites and temporary events can be subject to widely varying electrical loads. Low load and peak power demands can be a problem for generators. The use of battery energy storage with a conventional generator in a hybrid system can be an ideal solution to satisfy power demands.

The Mobile Battery Energy storage solution, when connected to a conventional diesel generator, functions as the main control and energy source to power the load. The MBE powers the load in battery-only mode or automatically turns on the generator to work in combination to meet peak demand or recharge the batteries.

The result is more efficient power delivery, reduced generator fuel consumption, and reduced maintenance.



ONLY ONE INTERFACE

A single user friendly interface – all in one



EASY MONITORING

Easy understanding of battery charge level, energy flow, and other information



FLEXIBLE CONNECTION

Wide access and modular combinations available



Shown here is 3-phase input/output for the MBE30

Load Profile TYPICAL GENERATOR RUNNING 24 HOURS

A typical load profile is asymmetrical. Where a generator operates between 6 – 75% of its calculated max load. This results in an inefficient generator running a low load for more than half of its operating time.

The MBE system enables the generator to work at its maximum efficiency while storing spare energy in a high power battery bank.

