

**Prime Power Rating**

32 kW, 40 kVA, 60 Hz, Single-Phase



Picture shown may not reflect actual configuration.

**Zero Emissions and Zero Sound**  
**Power When and Where You Need It**

The Generac Mobile Battery Energy Storage System (BESS) provides single-phase power output for mobile power applications with the advantage of zero sound and zero emissions. When connected to a compatible generator, it creates a hybrid system optimizing generator and BESS operation to power varying load requirements. The BESS automatically turns the generator on to recharge the batteries and provide peak power output and off when not needed, thereby maximizing efficiency.

**STANDARD FEATURES**

**POWER AND VOLTAGE**

- 40 kVA Single-Phase Prime Rated Power
- 120/240 V Single-Phase Main Output
- 120/240 V Single-Phase Convenience Receptacles
- 165 A Main Circuit Breaker
- 200 A Inverter Rating Passthrough
- 60 Hz

**POWER DISTRIBUTION**

- 120/240 V Single-Phase Main Output Camlocks
- (2) 120 V 20 A GFCI Duplex (NEMA 5-20R) Receptacles
- (2) 120/240 V 50 A Twistlock (CS6369) Receptacles
- (1) 120 V 30 A Twistlock (NEMA L5-30R) Receptacle

**BATTERY TECHNOLOGY**

- Deep Cycle, Maintenance Free, Gel Lead Acid OPzV-S Batteries

**CHARGING CONNECTIONS**

- 120/240 V Single-Phase Main Input Camlocks
- 120 V 20 A Single-Phase (NEMA 5-15P) Maintenance Charge Plug
- 50 V 80 A DC Anderson SB175 Connector
- 2-Wire Remote Start Cable for Charging Generator

**CONTROL SYSTEM**

- Touch Screen HMI
- On/Off Switch
- Battery System Function Indicator Lights
- Emergency Stop
- Telematics Monitoring

**MOBILITY**

- 2-Point Top Lift
- Skid
- Trailer, Dual-axle, Electric Brakes (Optional)

**CONNECTIVITY**

- 2 Years Included
- 4G Modem with Replaceable SIM Card

**WARRANTY**

- 2 Years or 750 Battery Cycles (Whichever Occurs First)

**APPLICATION AND ENGINEERING DATA**

**BATTERY ENERGY STORAGE SYSTEM SPECIFICATIONS**

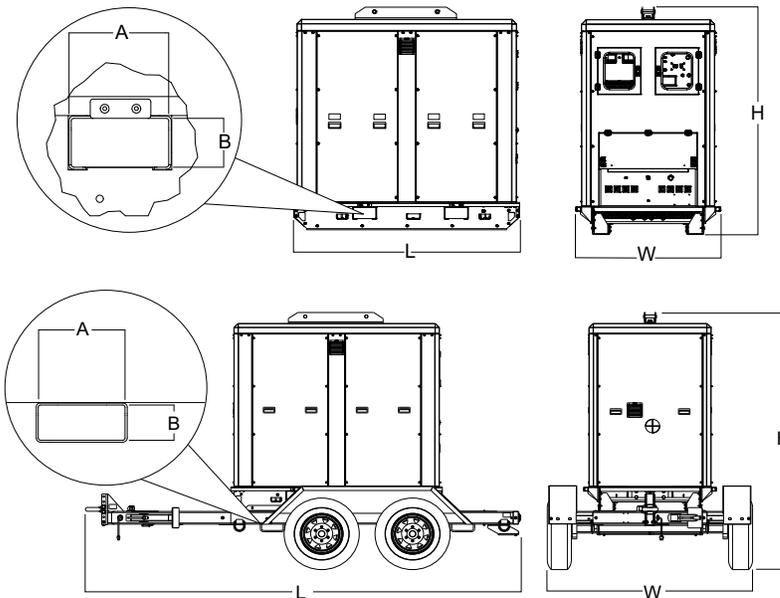
	MBE40-90
Prime Power Output	32 kW/40 kVA
Frequency	60 Hz
Main Output Voltage	120/240 V Single-Phase
120 V, 20 A, 1-Phase GFCI Duplex (NEMA 5-20R)	2
120 V, 30 A, 1-Phase Twistlock (NEMA L5-30R)	1
120/240 V, 50 A, 1-Phase Twistlock (CS6369)	2
Main Circuit Breaker	165 A
Pass-Through Capacity (Inverter Rating)	200 A
Battery Type	Gel Lead Acid OPzV-S
Total Battery Capacity	90 kWh
Usable Battery Capacity	72kWh
Battery Design Life (Depth of Discharge)	2,000 cycles to 80%, 3,000 cycles to 60%
Operating Temperature	-4 to 113 °F (-20 to 45 °C)
Charging Temperature	-4 to 113 °F (-20 to 45 °C)

**OPERATING DATA**

**POWER RATINGS**

	Prime: kW/kVA (A)
Single-Phase, 120/240 VAC @ 0.8 PF	32/40 (133)

**DIMENSIONS AND WEIGHTS\***



**SKID MOUNTED**

L x W x H - in (mm)	79.1 x 49.8 x 78.1 (1,983 x 1,265 x 2,010)
A x B - in (mm)	7.9 x 3.9 (200 x 100)
Weight (MBE40-90) - lbs (kg)	8,544 (3,883)

**TRAILER MOUNTED**

L x W x H - in (mm)	162.9 x 76.8 x 101.0 (4,137 x 1,951 x 2,585)
A x B - in (mm)	8.1 x 2.5 (205 x 95)
Weight (MBE40-90) - lbs (kg)	9,905 (4,502)

**SOUND RATING**

- Inaudible Above Background

\* All measurements are approximate and for estimation purposes only.

**YOUR FACTORY RECOGNIZED GENERAC MOBILE DEALER**

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please contact a Generac Mobile Products Authorized Service Dealer for detailed installation drawings.