



Microgrid-Ready Hybrid Generator

- 15kVa 208V 3-Phase Power Delivery
- 53.6kWh Battery Storage
- 5kW On-board Power Production



Big BESSie is an **efficient, reliable, and scalable** hybrid generator that operates as a stand alone power source or as a hybridization unit for existing power sources.



Efficient | Minimize fuel usage, service intervals & emissions

How? Hybridization breaks the link between power production & consumption.

- On-board, Tier4 emissions compliant DC diesel generator runs at it's optimal rate to charge the batteries.
- Batteries deliver on-demand power, handling peaks up to 2X of rated output.
- When hybridizing an existing generator, **reduces run time by up to 80%.**



Reliable | Repairable & remotely accessible

How? Top-quality products with proven integrations work together in harmony.

- Non-proprietary, easy-access components allow for on-site system repair.
- World-class remote monitoring and fleet management platform (Victron's VRM portal) provide real time verification of performance.
- Paralleling multiple units through Victron's microgrid functionality creates **redundant, uninterruptible power.**



Scalable | Limitless paralleling for unlimited power

How? MicroGrid functionality allows paralleling an unlimited number of units.

- Customized power delivery without custom solution lead-time.
- Add or remove Big BESSie units to meet your needs as on-site power demands change.
- ...all this, **without expensive grid management products.**

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Let's talk

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Big BESSie Technical Parameters

Power Receptacles

Input

208V 3-P, 240V 2-P	5 x 400A Camlock
120V 1-P	1 x 15A

Output

Main output	5 x 500A Camlock
120V Convenience Receptacles	1 x 30A RV plug, 2 x 15A GFCI outlet

Power Production

External Input

208V 3-P	15kVa
240V 2-P	10kVa
120V 1-P	1.8kVa

PV Input

Operating voltage range	65 - 450v
Max array power	18kW

Onboard DC Diesel Generator

Model	Hatz PMDC 55-100
24-hr Production	120kWh
Service Interval	500 hrs
Fuel Consumption	0.31 gal/hr @ $\frac{3}{4}$ load

Power Storage

Battery Model	Cegasa E/Bick
Chemistry	LiFePO4
Voltage	48V
Capacity	53.6kWh

Connectivity

Network	4G LTE, Verizon/T-Mobile
Remote monitoring/access	24-7 Access via Victron Remote Monitoring
Location tracking	Real-time GPS

This datasheet describes one Big BESSie system.

Need more power? Ask our team how units can be paralleled.



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