

BENCHMARKTM MC

BATTERY ENERGY STORAGE SYSTEM





WHEN THE GRID GOES DOWN, EVERYTHING CHANGES.

DOWNTIME DOESN'T JUST DISRUPT, IT COSTS.



The Cost to a Family
No heat. No Security.
No peace of mind.



The Cost to a Business
Lost revenue.
Lost opportunities.



The Cost at Home
Spoiled food.
Wasted money.



BUT WHAT IF THE POWER STAYED ON?

Life wouldn't stop.
The lights stay on. Your refrigerator keeps running.
Your internet stays connected. Your home stays warm
and secure. Your business continues to operate.
No scrambling, no waiting, no disruption.

THIS IS WHAT
ENERGY INDEPENDENCE
LOOKS LIKE.

MEET THE BENCHMARK BATTERY ENERGY STORAGE SYSTEM (BESS)

When the power goes out or if you are living off-grid, automatic, reliable power is delivered to your home silently and without the need for fuel.



BUILT FOR:



HOMES

Keep the essentials running during outages while lowering energy costs every day.



COTTAGES

Reliable backup power in remote locations without relying on noisy generators.



BUSINESSES

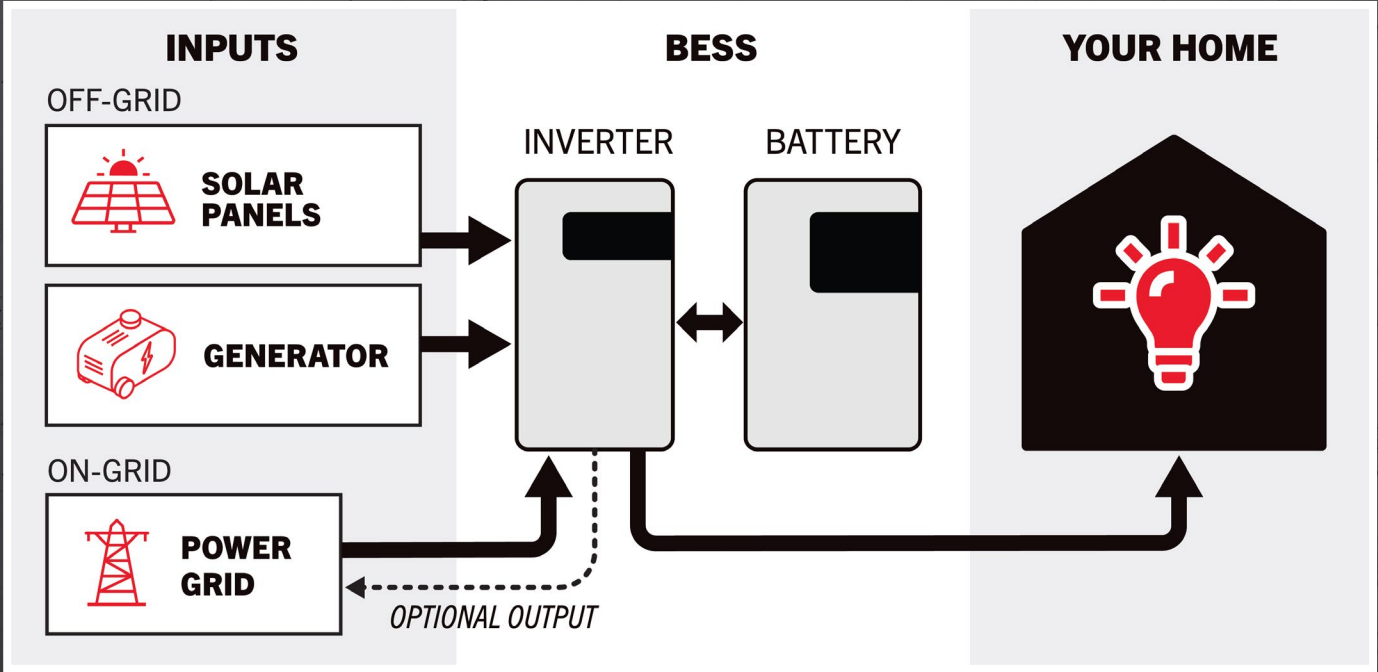
Protect inventory, equipment and productivity when the power goes down.



OFF-GRID LIVING

Generate, store and use your own energy.

THE BESS RECEIVES ENERGY FROM SOLAR PANELS, THE GRID OR A GENERATOR. IT CAN USE SOLAR ENERGY ANY TIME, NOT JUST WHEN THE SUN IS SHINING.



HOW IT WORKS

THE INVERTER AND BATTERY
WORK TOGETHER SEAMLESSLY



A SYSTEM THAT GROWS WITH YOU

Start with the backup power that you need today and expand as your energy needs change.



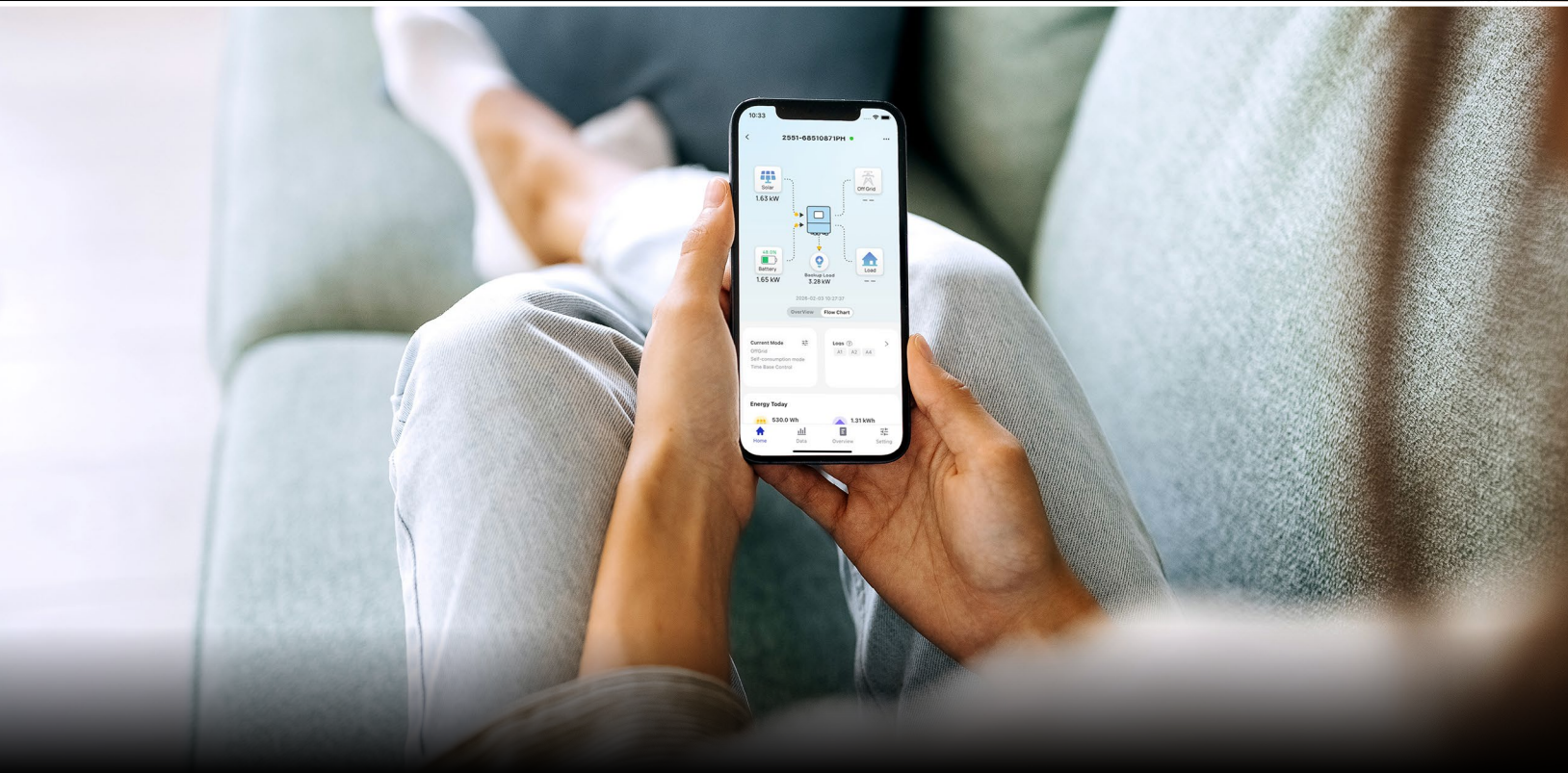
BUILT TO PROTECT WHAT MATTERS MOST



- ✓ Advanced LiFePo4 battery technology
- ✓ Long battery lifespan — rated for 8,000 cycles
- ✓ Industry-leading Canadian safety certifications
- ✓ Professional installation by any licenced electrician
- ✓ Canadian customer support

DESIGNED FOR DECADES OF DEPENDABLE OPERATION.

YOUR ENERGY. ANYWHERE.





Monitor your home's energy use



Monitor your solar panels' power generation



Check battery levels



View backup status



Control your system



Receive outage notifications

ALL FROM YOUR SMARTPHONE.

THE POWER DOESN'T EVER HAVE TO STOP.

INSTEAD OF:

- Waiting for the grid to come back on
- Ordering more fuel when levels get low
- Wheeling out your portable generator

When paired with a solar panel system, the BESS can recharge every day from the sun, providing ongoing power for extended outages or ongoing daily use.

That is a completely different level of energy independence.



WORKS WITH THE SOLAR YOU HAVE, OR THE SOLAR YOU PLAN TO INSTALL.

Already have solar panels? Your BESS can work alongside existing solar installations.

Thinking about adding solar panels? The system is ready when you are.



BACKUP POWER WILL EVENTUALLY END, BUT ENERGY INDEPENDENCE DOESN'T.

Unlike a traditional home standby generator, a BESS isn't just for emergencies. It works for you every day by storing low-cost energy for when you need it most.

TRADITIONAL BACKUP POWER FROM A GENERATOR OR A HOME STANDBY GENERATOR:

- ✗ Waits for the power to fail
- ✗ Uses fuel
- ✗ Requires maintenance
- ✗ Makes noise
- ✗ Produces electricity only when running

ENERGY INDEPENDENCE WITH THE BESS:

- ✓ Uses clean stored energy
- ✓ Can power your home every day when paired with solar panels
- ✓ Powers your home automatically
- ✓ Can feed energy back to the grid for additional cost savings
- ✓ Works even when fuel isn't available

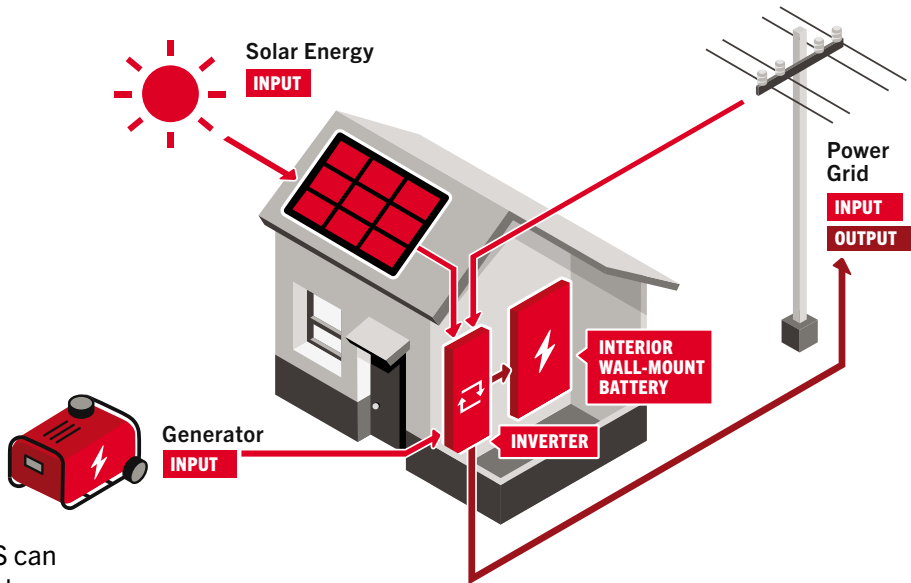
PRODUCT SPECIFICATIONS

THE PERFECT SOLUTION FOR THOSE LOOKING TO STORE ENERGY FOR LATER USE.

Whether your home needs backup power during outages or you're seeking greater energy independence to reduce reliance on the grid, this system ensures you're always powered.

HOW IT WORKS

1. The Inverter converts Grid, Solar, and Generator power into usable home energy.
2. The Battery stores usable home energy for later use.
3. The BESS automatically activates when a power outage is detected, or on a user-set schedule.
4. When excess energy is generated, the BESS can feed energy back into the grid, or store it for later.



USE CASES

Home Backup for Power Outages

Off-Grid Use

Money Saving Off-Peak Power Use

16KWH INDOOR HOME BACKUP BATTERY

5210-171

Battery Capacity	16,077 Wh
Voltage Output	51.2V DC (44.8-56.2)
Amp Output	210A DC Max
Life Cycle	>8000 cycles @ 80% DOD
Waterproof Rating	IP65
Battery Chemistry	Lithium Iron Phosphate (LFP)
Discharging Temperature	-20°C to 45°C
Dimensions (Height x Width x Depth)	31.5x19.7x8.9 in (800x500x227mm)
Weight	282 lbs (128 kg)

11.4KW INDOOR HOME BACKUP INVERTER

5210-168

Wattage Output	11,400W
Voltage (Split Phase, 2/3 Phase)	120/240V, 120/208V
Amp Output	AC 41.7A (Nominal), 47.5A (Max)
Transfer Time (ms)	<10ms
Waterproof Rating	NEMA 3R
Operating Temperature	-25°C to 60°C
Max Efficiency (Solar to AC)	98%
Max Efficiency (Battery to AC)	94.5%
Dimensions (Height x Width x Depth)	31.5x16.5x9.4 in (800x420x240mm)
Weight	97 lbs (44 kg)

CERTIFICATIONS

INVERTER: UL1741, UL1699B, CSA C22.2 No.107.1, No.330, CSIP BATTERY: UL1973, UL9540A INVERTER AND BATTERY: UL9540*

*The Benchmark Battery and Inverters are certified only when used together. Using third-party inverters or batteries voids this certification, and will compromise safety and performance. Multiple Benchmark batteries and inverters can be installed in parallel, subject to local electrical standards.

HOW MUCH POWER DO YOU NEED?

Find out what your setup might look like based on your situation.

EXAMPLE 1

Off-grid cabin

Small to medium sized home, running essentials only

SYSTEM SETUP	TOTAL OUTPUT (KW)	TOTAL CAPACITY (KWH)	SAMPLE ITEMS RUN	DAYS OF USE
 1 x inverter, 1 x battery	11.4	16	1.2 KWH/DAY 1/4 HP Sump Pump 1 KWH/DAY Small Fridge 1 KWH/DAY WiFi/Security 0.5 KWH/DAY Microwave 0.25 KWH/DAY TV/Laptop Charging 0.2 KWH/DAY LED Lighting	Moderate Use: 2-3 days ~6 KWH/DAY Heavy Use: 1-2 days ~8 KWH/DAY

EXAMPLE 2

A medium sized home or cottage with larger power demands that requires extended output and capacity

SYSTEM SETUP	TOTAL OUTPUT (KW)	TOTAL CAPACITY (KWH)	SAMPLE ITEMS RUN	DAYS OF USE
 1 x inverter, 2 x batteries	11.4	32	0.6 KWH/DAY Computer 1 KWH/DAY TV 1.4 KWH/DAY Overhead Lighting 1.5 KWH/DAY Fridge + Freezer 1.5 KWH/DAY Small Cooktop Meal 1.8 KWH/DAY WiFi/Security 2.5 KWH/DAY Oven-baked Meal 3 KWH/DAY Furnace/Heat Pump at -10°C	Moderate Use: 2-3 days ~16 KWH/DAY Heavy Use: 1-2 days ~20 KWH/DAY

EXAMPLE 3

A large home with large power demands that requires extended output and capacity

SYSTEM SETUP	TOTAL OUTPUT (KW)	TOTAL CAPACITY (KWH)	SAMPLE ITEMS RUN	DAYS OF USE
 2 x inverters, 2 x batteries	22.8	32	3.5 KWH/DAY Washer + Dryer 2.5 KWH/DAY Oven + Cooktop 2.5 KWH/DAY High-End Computer+TV 2 KWH/DAY 1/2 HP Sump Pump 2 KWH/DAY LED Lighting 2 KWH/DAY WiFi/Security	Moderate Use: 2-3 days ~16 KWH/DAY Heavy Use: 1-2 days ~20 KWH/DAY

**All figures shown are approximate and for illustrative purposes only. Actual power consumption and run times will vary. Household appliances can operate indefinitely when the BESS is recharged by solar power.*

CONTACT & SUPPORT

Supported by Midland Power Inc.
Contact us directly for assistance and warranty help.

CUSTOMER SERVICE

700 Service Centres nationwide.

Call and you'll speak to a Canadian
Customer Service Representative.

 Email support@midlandpowerinc.com

 Call toll-free at 1-877-528-3772
Mon-Fri, 8:30AM-4:00PM EST

Scan this QR code
to learn more about
energy independence:



WARRANTY



10 YEAR LIMITED WARRANTY



SUPPORTED BY
Midland





BENCHMARKTM_{MC}

Scan this QR code to learn more
about energy independence:

