

# MOMENT

## Moment Energy

Moment Energy creates energy storage units made from repurposed electric vehicle batteries. Our units are sold with a battery management system and are integrated with additional components to function in a microgrid system. They can be charged using any renewable energy source and can even be charged using diesel energy that is typically wasted.



## Why EV batteries?

- Affordable and made of lithium ion chemistries
- Have a reduced carbon footprint
- Better performance than lead acid
- Designed to be high performing

## Features



Store any type of renewable power



Invest in a sustainable product



Charge using new or traditional energy sources

## Specs

Our base unit size is 20kWh and we can increase the capacity in 20kWh increments

Energy	20kWh
Voltage Range	42-58.8V
Max Power	20 kW
Operating Range	5-30°C
Footprint ( <i>Approx</i> )	1m x 1m
Height	0.6m
Weight	2000lb

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If you want to learn more about Moment Energy and what we are doing check us out at:

[www.momentenergy.ca](http://www.momentenergy.ca)

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## Moment Energy at the Canadian Hydrokinetic Turbine Test Centre

Moment's first pilot was deployed at the Canadian Hydrokinetic Turbine Test Centre (CHTTC) in Winnipeg. The CHTTC is home to an impressive microgrid and is the perfect place to test the integration of renewables with storage. The finished product was a 6.3kWh pack using repurposed Nissan Leaf batteries.



## How it Works

Our batteries were set up to communicate with a SMA Sunny Island Inverter. The internal BMS in our enclosure integrates with the Sunny Island over a CANBus, relaying important state of charge and battery health information.



## Moment's Pilot Projects

- We are on-site during installation to ensure full performance of the system
- We provide wireless data monitoring of pack current, voltage, temperature, and state of charge
- A pilot with us means an opportunity to be on the cutting edge of energy storage development



**We are currently providing custom solutions for projects which require between 20-100kWh of energy storage.**

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