

## Smart Grid Enabled, Intelligent Energy Storage Behind the Meter

Introducing the new GreenStation™ 2.0 – The intelligent energy storage product based on proven battery and patent pending software technology that reduces the power (kW) demand component of your monthly electric bill.

## Clean Power Solution

Commercial businesses are required to pay for both the energy consumed (kWh) and peak demand (kW). For ratepayers on time-of-use (TOU) rates, the demand component can be as high as \$43/kW during peak summer hours. The GreenStation™ 2.0 is a modularized system and multiple units can be combined to make a larger clean power solution.

## Reliable Power Efficiency

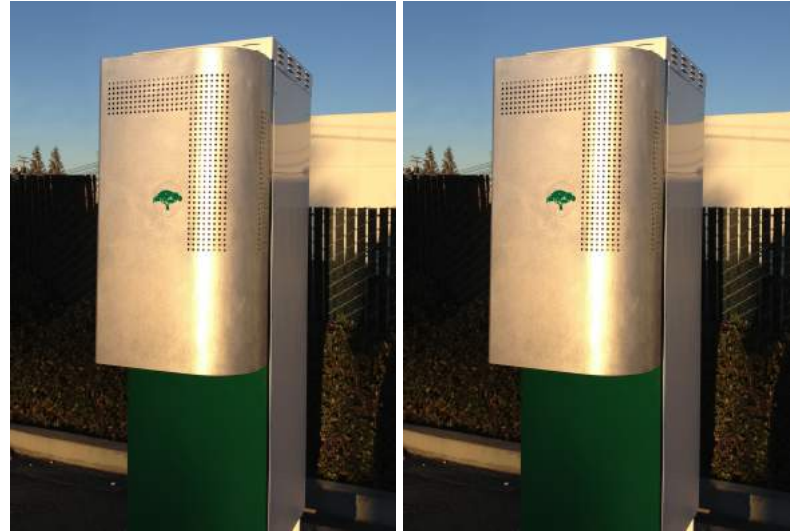
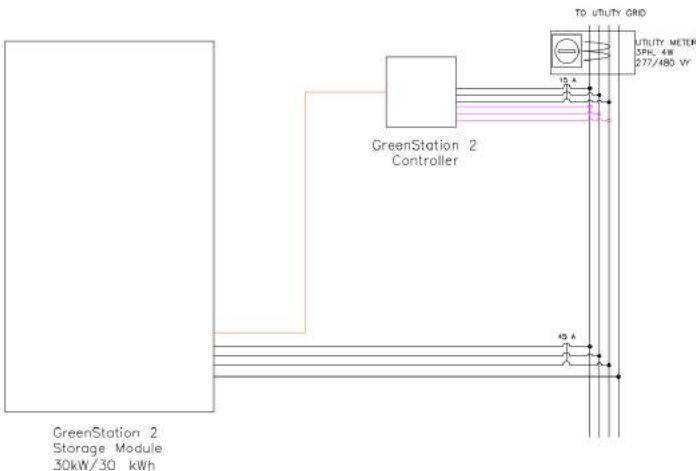
The GreenStation™ 2.0 is our next generation product with superior reliability and intelligence. It uses premium, top-of-the-line lithium ion technology by Samsung with 10 years performance warranty. It operates without any human intervention or behavioral changes.

## Innovative Technology

The innovation behind GreenStation™ 2.0 is a smart controller with sophisticated software that monitors facility loads on a second-by-second basis and counteracts the peaks and valleys by discharging and charging from the lithium ion storage. The net result is a flattened power load curve during peak consumption periods to reduce demand charges and save business owners thousands of dollars.

## Easy Installation

The GreenStation™ 2.0 can be installed indoors and outdoors. It has a compact footprint designed for easy installation and site security. Below is the simplified installation diagram:



*GreenStation™ 2.0 is a modular design and multiple units can be combined to form a larger operating unit*

## Technical Highlights

### GreenStation™ 2.0 Storage Module

Electrical	
Battery Chemistry	Lithium Ion
Battery Certification	UL 1973 & UL 1642
Inverter Certification	UL 1741 / IEEE 1547 - ETL
AC Round-trip Efficiency	88.4% min; 94% avg
AC Voltage	480 VAC (+5%, -10%, 3Φ)
AC Frequency	60 Hz (59.3 – 60.5 Hz)
Maximum AC Current	37A Per Phase
Continuous AC Power	30kW
DC Voltage Range	432.0 – 593.3 VDC
Energy Storage Capacity	32kWh Nameplate/30 kWh Usable
Footprint & System Char.	
Enclosure Type	NEMA 3R
Height	87.5 in
Width	24 in
Depth	26.5 in
Weight	1,600 lbs
Operating Temperature	-10 to 45°C

### GreenStation™ 2.0 Controller

Electrical	
Power Requirements	120V (20A)
Monitoring System	3Φ Voltage and Current
Communications	
Ethernet and Cellular Connectivity	
Physical Characteristics	
Enclosure Type	NEMA 3R, 3RX/IP24 (Wall mounted)
Height	14 in
Width	12 in
Depth	7 in