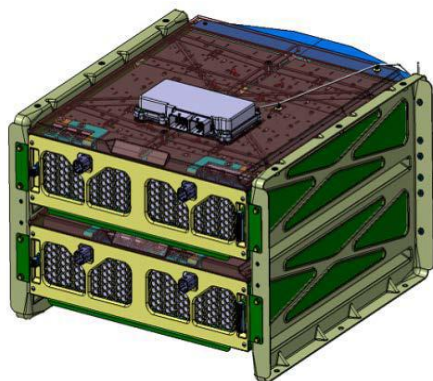




Energy Storage



Modular 10kWh package



Tower Front w/Door



Tower Front w/o Door



Tower Side and Rear

Scalable and Flexible

- Reliable lithium-ion based technology
- 10kWh - 50kWh modular increments, scalable to grid-scale
- Designed for open integration to various inverter technologies (AC / DC) and multiple cell chemistries

Reliable

- Variable power up to 200 kW peak power, 50 kW continuous
- Components also proven in 2 million auto road test miles
- Uses common industry accepted mechanical, electrical, communication and software standards
- Able to deploy in various environments with proper HVAC, Fire Suppression and Environmental specs

Safe

- Built-in cell balancing algorithm, along with over-voltage, under-voltage, overload, and temperature-limits protection, for safe and reliable operation
- Engineered to meet multi-industry safety standards

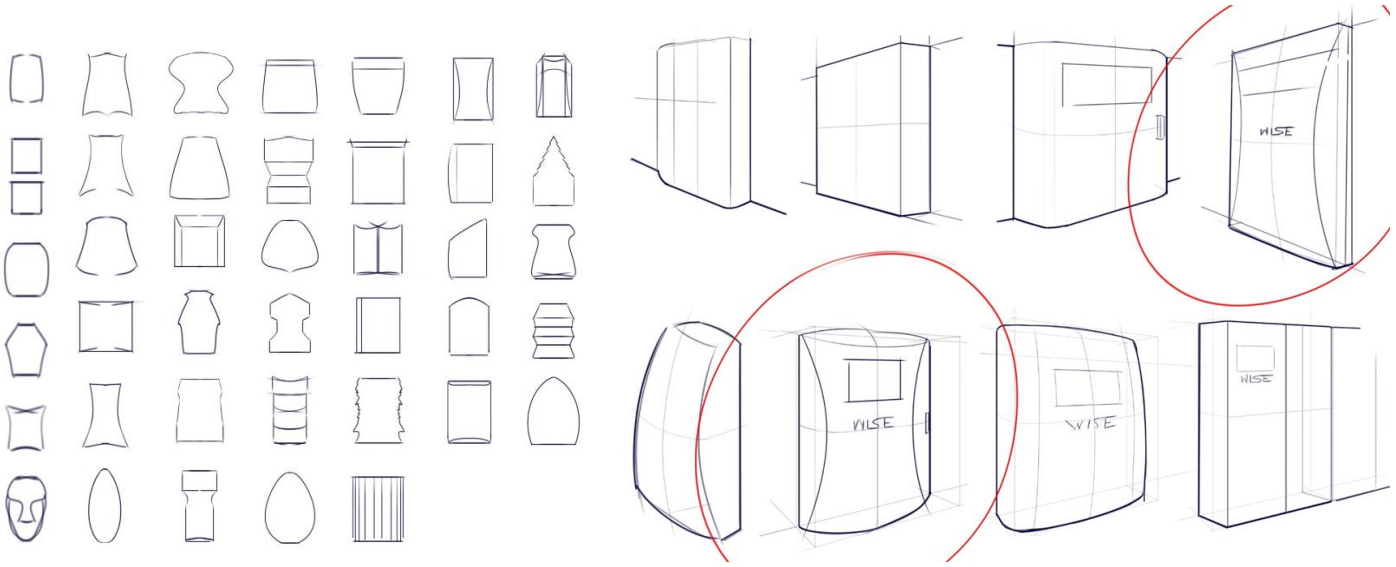
Tower Specifications

Electrical	Output voltage	322 to 525 VDC
	Output power	50 kW for 1 hour, 200kW for 15 minutes
	Cell life cycle	>6,000 at 80% depth of discharge, C/2*
Safety	Certifications	UL 1973 (pending), UL 1998 (pending), UL 1642, UN 38.3
	Overload Protection	Active (software and contactors) and passive (fuses)
Physical	Weight	1413 lbs.
	Dimensions	88"H x 24"W x 27"D (w/opt. fans 29")
	Stability	Bolts to floor via cabinet gusset plates
	Ambient operating temperature	50°F – 95°F
	Storage temperature range	15°F – 125°F (for maximum cell life)

Project Form Study



- Select a form factor that best suits the project
- Some use cases require outside installations
- An outer cover protects the components from the weather and outside elements



Wise Energy Storage Stylish Solution

Design Selection

- Our team works with clients to design the right solution
- Outside energy storage for residential applications



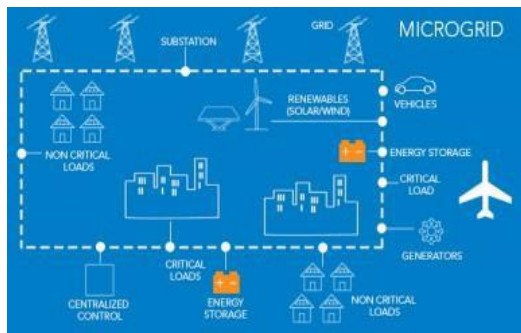
Energy Storage for Commercial & Industrial



Local storage for large-scale users

- Reduce demand charges by migrating peak-demand and power-quality charges and optimize time-of-use rates
- Improved power reliability and quality through instant backup power in the event of an outage and protecting critical loads from disruptive power- quality issues
- Integrate co-generation and distributed energy resources by maximizing the benefits and cost-effectiveness of on-site energy resources

Energy Storage for Microgrids & Islands



Mission critical resiliency to grid instability

- Improve power reliability and quality through instant backup power in the event of an outage and protecting critical loads from disruptive power-quality issues
- Capability to reduce demand charges and be grid divorced/independent
- Integrate co-generation and distributed energy resources by maximizing the benefit and cost-effectiveness of on-site energy resources

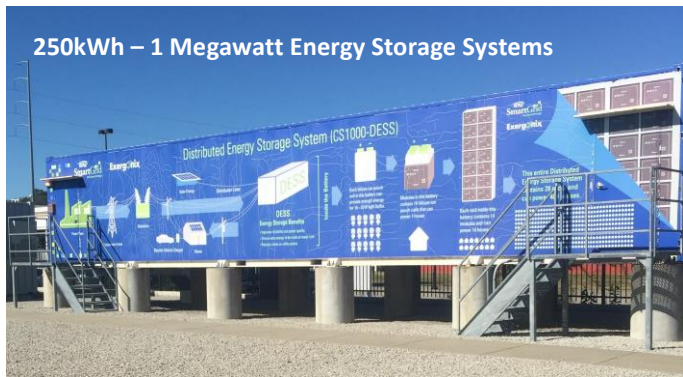
Energy Storage for Cell Tower Solarization



Convert cell towers from diesel generation to solar plus energy storage

- Comply with mandate to replace diesel generators with solar and lithium ion battery storage
- Use clean energy solution that includes IoT to track data
- Collect data on solar panel performance and battery performance
- Report data to central network operations center
- Report data to field technicians

Energy Storage for Utilities



Grid-scale energy storage systems

- Shave peaks and fill valleys by shifting generation and demand
- Defer or avoid infrastructure upgrades and investment by providing local non-emitting, silent generation
- Smoothing supply at the community and residential level by capturing energy from distributed sources during off-peak hours for use during peak hours



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Wise Distributed Energy Services
Wise IoT Lifestyle Management
<http://getwisepower.com>
<http://wiseiot.net>

*Wise Power uses an Exergonix energy storage system for internal components. Outer shell and controller are added separately. Modules can be arranged differently for other configurations. Energy storage is not "one size fits all." We provide the best solution for the project.



Wise IoT Controller

Data Collection

- Collects data from multiple end points
- Collects data using multiple technologies
- Uses wi-fi, ethernet, cellular, other technologies

Data Transfer

- Securely transfer data to our private cloud
- Uses cellular network for added security

Data Store

- Stores data in our private cloud (database)
- 7 layers of security to protect personal information

Data Display

- Data is sent to any computer monitor for display
- Data is sent to smartphones or mobile devices

Wise Data Services

- Wise IoT connects appliances and electronics to your smartphone or computer
- Connect your devices to a single WISE icon regardless of vendor (video doorbells, door locks, thermostats, etc.)
- Receive energy saving texts and alerts to your computer or smartphone

