



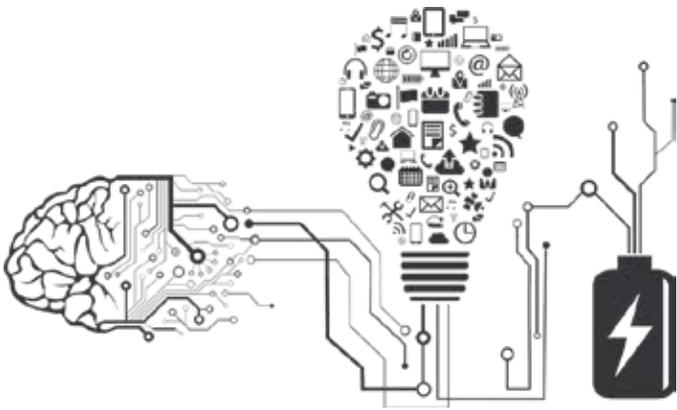
Offering Home Builders Tailored
Backup Power and Smart
Energy Home Packages



Clean and Intelligent Power to the People

ElectrIQ Power develops intelligent energy management and storage systems that maximize the value of batteries, renewable energy and smart devices.

IQ SYSTEM



- 💡 Intelligent energy storage, management and monitoring
- 💡 Modular and scalable to any energy need
- 💡 Industry-leading 93% roundtrip efficiency
- 💡 Solar self-supply, TOU arbitrage, peak shaving, backup power, zero export, and islanding/microgrid functionality
- 💡 Small footprint and under 2 hours to install
- 💡 Easily integrates with new solar and generators, or can standalone without onsite generation
- 💡 Integrated smart home IoT platform

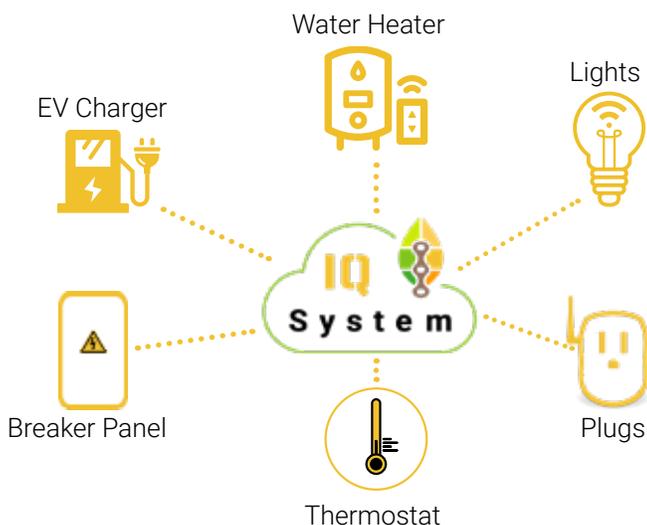
ADVANCED ENERGY MANAGEMENT SOFTWARE

Every IQ System includes advanced home energy management software that uses customer-specific energy usage and production data to balance economic payback with backup power availability. Users choose between optimizing for energy affordability, sustainability or resiliency and the IQ System automates the rest. IQ algorithms use factors such as historical consumption, solar production, weather, utility tariff, and outage probability to optimize the home energy ecosystem. This intelligence enables remote maintenance and upgrades, unlocks appliance-level monitoring, and personalized energy efficiency recommendations.



Monitor and manage the IQ System Dashboard remotely via any web-ready device or computer

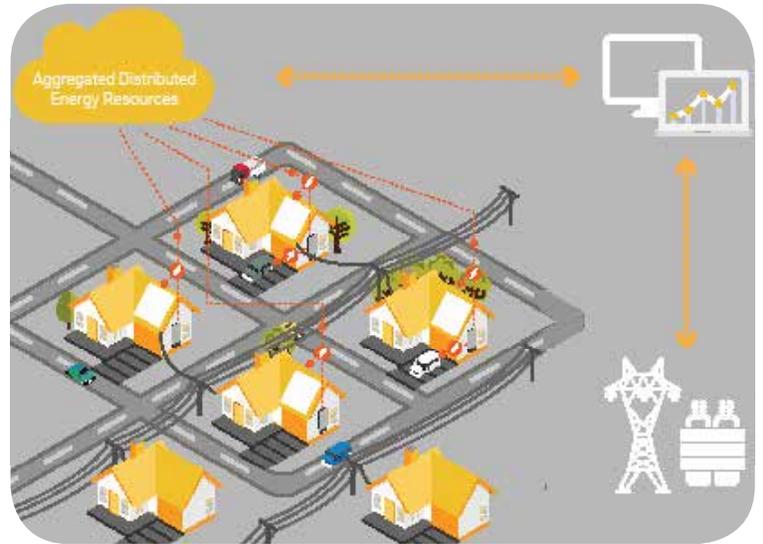
TURNKEY SMART ENERGY HOME



Clean, quiet, emission-free backup power is just one benefit of an IQ-equipped home. ElectriIQ Power's fully-integrated battery and energy management system can integrate and control other smart home appliances and, in coordination with solar and batteries, centralize and optimize home energy management to maximize energy efficiency. Whether its a pool pump or HVAC unit, the IQ System can integrate with it through the device's software, smart plugs or a smart panel, to monitor its consumption, evaluate and suggest efficiency opportunities, or even manage its load for utility demand response programs that earn homeowners money.

NEIGHBORHOOD MICROGRIDS

Deploying multiple IQ Systems within a development offers builders and homeowners multiple promising new value propositions. When the development's electrical system is configured appropriately, neighboring systems can be operated in unison as a self-contained microgrid. So if utility power goes out, the neighborhood's lights stay on and neighbors share excess power between each other. Alternatively, aggregating units creates a "Virtual Power Plant" enabling the owners to provide and be compensated for energy services to the local utility. We offer fleet monitoring and management to unlock that value, and our experts will work with you and the utility to define and enable the business model that achieves your goals.



FLEXIBLE, CUSTOMIZED PACKAGES

ElectrIQ Power partners with home builders to develop high-value, tailored solutions and packages. Whether it's a single home or a thousand-unit development, we'll work closely with your team to determine the best way to meet your development goals. Through existing partnerships with leading solar, EV charger and smart home companies, we can create a complete smart energy product suite for you to offer. We can partner with local electrical contractors to provide turnkey packages, or we can work with your preferred providers to support project development from electrical design and permitting, through installation and commissioning.

CASE STUDY: TRIDEL AQUALINA



Tridel, Canada's largest builder of sustainable condominiums, integrated the IQ System with rooftop solar panels for the penthouse suite of the new Aqualina complex in Toronto. Installed in August 2017, the system is designed to maximize the owner's ability to self-consume solar and provide a solar+storage microgrid for backup power when the grid goes down.

IQ SYSTEM SPECIFICATIONS

Battery & Inverter

Battery Type	Lithium-Ion
Battery Capacity	10 kWh
Usable Capacity	8.5 kWh to 100% DoD
Modularity	Scalable to 60 kWh on a single inverter
Hybrid Inverter	AC or DC Coupling, Solar ready
Instantaneous Power	11.4 kW
Continuous Power	4 kW base, up to 7.6 kW
Inverter Efficiency	97.5%
Roundtrip Efficiency	93%
AC Voltage	Split Phase (120/240V) or 3-Phase (208V)
Grid Frequency	60 Hz

Safety, Environmental & Mechanical

Safety Standards (ETL listed to)	UL 9540, UL 1973, UL 1642, CSA 22.2.107.1, UL 1741 SA, IEEE 1547
Warranty	10 years
Operating Temperature	-10° to 50° C
Maximum Altitude	2,000 m (6,562 ft)
Enclosure Type	NEMA 1
Connectivity	Ethernet, PLC & 4G LTE (optional)
Weight (Inverter/Battery)	135 lbs. / 335 lbs.
Dimensions	50.5" x 72" x 12"



ABOUT ELECTRIQ POWER

ElectriQ Power develops intelligent energy management and storage systems that maximize the value of batteries, renewable energy and smart devices. Taking a software-first approach, we integrate safe, high performing batteries and power electronics with proprietary energy management software into the fully-integrated IQ System. By monitoring and managing onsite generation, storage, connected devices and entire home, the IQ System optimizes and automates solar self-supply, backup power and energy efficiency.

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