



Empowering Solar Professionals
with Battery and Energy
Management Solutions



Reliable, 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.

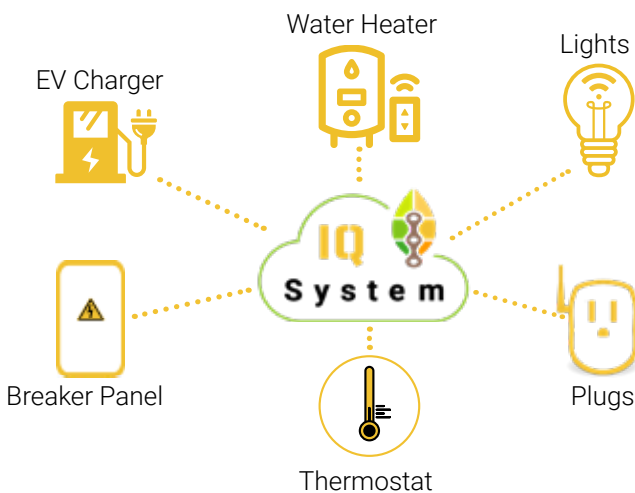
IQ SYSTEM

The fully-integrated IQ System takes a customer-first approach to combining safe, high performing batteries and power electronics with proprietary energy management software. By monitoring and managing onsite generation, storage, smart devices and the home, the IQ System automatically optimizes solar self-supply, backup power and energy efficiency.

- 💡 7.6 kW / 10 kWh base system, scalable to 60 kWh
- 💡 Residential or light commercial applications
- 💡 Integrated PV inverter and optimizers ensure small footprint, minimal wiring and maximum solar ROI
- 💡 AC- or DC-couple new or existing solar
- 💡 Meets highest safety and interconnection standards
- 💡 Solar self-supply, TOU arbitrage, peak shaving, backup power and zero export
- 💡 Grid-independent islanding/microgrid capability
- 💡 Control energy from anywhere with mobile and web app
- 💡 Easy, 2-hour install for battery, inverter and software
- 💡 Remote diagnostics & updates minimize truckrolls
- 💡 White-labeling and co-branding opportunities



SMART ENERGY HOME AUTOMATION



Clean, quiet, emission-free backup power is just one benefit of an IQ-equipped home. Our energy management system can control other smart home appliances and, in coordination with solar and batteries, centralize and optimize 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 breaker panels, to monitor its consumption, automate efficiency opportunities, or manage load for demand response programs that earn homeowners money.

ADVANCED ENERGY MANAGEMENT SOFTWARE

Every IQ System includes advanced energy management software that uses customer-specific consumption and production data to optimize for energy affordability, sustainability or resiliency with backup availability. Users choose from three operating modes depending on their goals and the IQ System automates the rest. Optimization algorithms use historical consumption, solar production, utility tariff, and outage probability to optimize the home energy ecosystem. This intelligence enables personalized energy efficiency reports, as well as easy O&M through remote diagnostics and upgrades.



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

FLEET MONITORING & MANAGEMENT

IQ Console Live Systems						
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System	Sub LAP	Battery	Solar	Available Capacity	Actions	Data
233 Clean Power Dr.	PGCC	50 W	1179 W	0 Wh		Live • Past
163 Charger Way	PGCC	595 W	0 W	298 Wh		Live • Past
864 Electric Ave.	PGHB	831 W	3139 W	415 Wh		Live • Past
4112 Solar St.	PGSA	4503 W	6507 W	4000 Wh		Live • Past

- 💡 Simple and customizable online dashboard
- 💡 Real-time monitoring for single units or entire fleets
- 💡 Receive automatic alerts if specified conditions arise
- 💡 Custom functions can be performed at any frequency for analytics on solar, battery or whole home
- 💡 Appliance data unlocks additional service offerings
- 💡 Potential Virtual Power Plant and neighborhood microgrids
- 💡 Low annual subscription cost per system

SOLARCRAFT CASE STUDY

In September 2017, SolarCraft installed a 10 kW PV and 10 kWh IQ System for Jay A. to increase his solar self-supply, manage his EV charging to reduce electric bills and provide clean backup power. His smart thermostat and EV charger are also integrated to provide maximum system efficiency and value.

"The smoothest and easiest out of the battery systems we've done."

- SolarCraft

"Insanely cool." - Jay A.



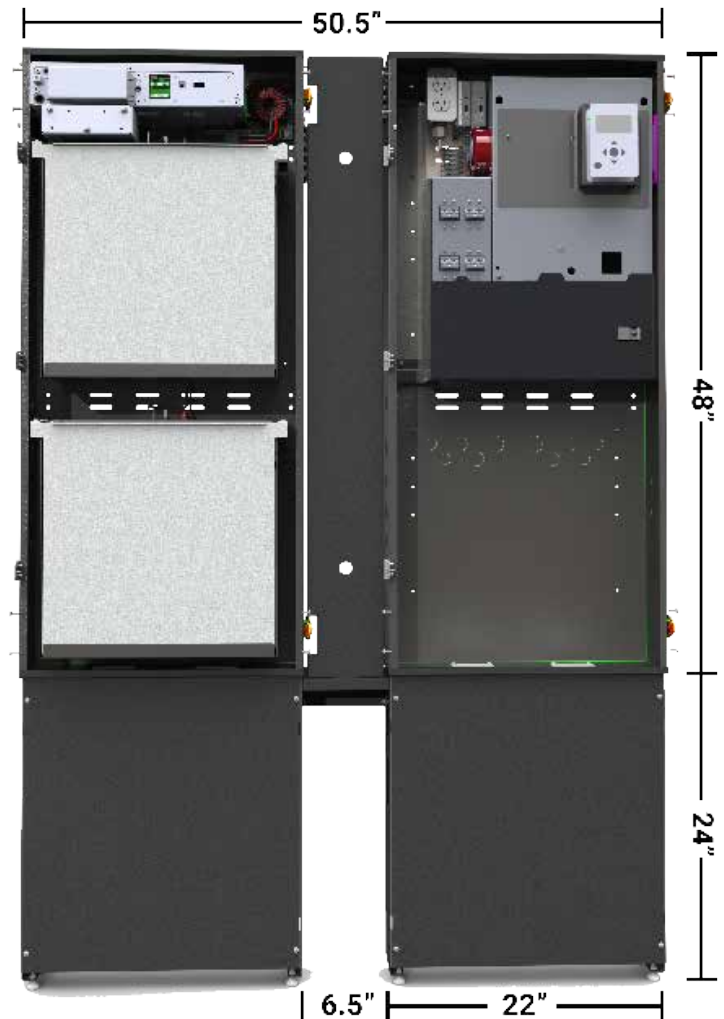
PERFORMANCE & SAFETY SPECIFICATIONS

Battery & Inverter

Battery Type	Lithium-Ion
Battery Capacity	10 - 60 kWh
Usable Capacity	8.5 kWh to 100% DoD
Modularity	Scalable in 10 kWh increments 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"



PREMIUM INSTALLER EXPERIENCE & TRAINING

Our processes, system and software are designed to simplify and streamline installer training, electrical design, sales, ordering, permitting, and installation. ElectrIQ offers unrivaled installer support and an online portal with helpful resources for every step of the sales and installation process. We offer both in-person and online interactive training programs to make the certification process simple and painless. Installers can choose two tracks: Basic Certification or Preferred Certification. Regardless of which certification you choose, our team members will work with you to ensure your project is successful and customer happy. Learn more about becoming a preferred installer at electriqpower.com/solar-professionals.



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