



Atom power solid state circuit breaker

Atom Power revolutionized the circuit breaker by creating the world's first commercial UL-listed digital solid-state circuit breaker. We're creating a new standard for the electrified world that is safer, faster, more efficient, and more reliable. With a solid-state circuit breaker, on/off control is intrinsic to the device.

Atom Power, Inc. USING SOLID-STATE CIRCUIT BREAKERS TO REVOLUTIONIZE POWER DISTRIBUTION. ... Atom Switch(TM) Solid-state Circuit Breaker Intelligent & Self-aware Dynamic Safer than anything in the world Load output Line input Electronic ink display Electronic OPEN/CLOSE Air Gap Reset Button

Atom Switch(TM) Solid-state Circuit Breaker The Atom Switch is the first ever commercially available solid-state circuit breaker, the fastest circuit breaker in the world, the only circuit breaker that can soft-start motors and mitigate low impedance arc flash hazard. A simple, intuitive, and intelligent distribution panel.

Atom Power's digital circuit breaker uses solid-state semiconductors and software to manage the flow of power, and consolidates the functionality of many disaggregated commercial power ...

Atom Power has launched its second-generation Atom Switch, a digital circuit breaker, for commercial use. The Generation 2 Atom Switch is UL-listed to UL 489I, meeting the standard for solid-state circuit breakers. Featuring the company's proprietary silicon carbide (SiC) power modules, the technology doubles the performance of the new ...

Application Engineer, Atom Power 1. Contents Introduction Solid-State Circuit Breaker EV Charging 101 EV Charging From a SSCB - Energy Management ... o 2019 the worlds first UL listed Solid-State Circuit Breaker was introduced by Atom Power o Silicon Carbide transistor opens and closes the circuit

With a solid-state circuit breaker, on/off control is intrinsic to the device. Our patented solid-state digital circuit breaker uses a semiconductor to interrupt current flow instead of a mechanical device. Once metering and communications are added, you have the perfect mechanism to enable edge-of-the-grid distributed energy resource management.

Solid-State Circuit Breaker Inquiry Please Note: We are not currently selling our Atom Power next-generation solid-state circuit breakers, but we are starting to share more about them. Complete this form and we will follow up as soon as possible.

The Generation 2 Atom Switch is now UL Listed to UL 489I -- the standard listing for solid-state circuit breakers. In May 2019, the Generation 1 Atom Switch was the first of its kind Listed to UL ...

EPRI and Eaton test circuit breakers as virtual meters and load controllers, and Siemens invests in solid-state circuit breaker startup Atom Power. Jeff St. John April 19, 2017 X



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Atom Power's state-of-the-art digital solid-state circuit breaker technology provides superior protection, visibility, and control compared to traditional mechanical circuit breakers.

First UL Listed Solid State Breaker Ryan Rizor. Vice President Sales, C& I. ... ATOM POWER SOLID-STATE CIRCUIT ATOM SWITCH. 25A BASEMENT STORAGE 15KVA 208V 3PHASE BASEMENT STORAGE 15KVA 208V 3PHASE APT 60A 60A 60A 60A 60A 60A 60A 400A FUSED DISCONNECT OR BREAKER ATOM Ap3p400

Atom Power is an innovative company providing transformative grid technology that delivers unparalleled protection, visibility, and control at the point of consumption. The patented Atom Switch revolutionized circuit breaker technology as the world's first commercial UL-listed digital solid-state circuit breaker.

Atom Power announced its innovative digital circuit breaker technology is now UL-listed. The company says this is the first time in the history of commercial power distribution that a digital solid-state circuit breaker has been listed by UL. Circuit breaker technology hasn't fundamentally changed in more than 140 years.

I talk with an inventor/entrepreneur who has developed a solid-state digital circuit breaker about all the many opportunities for smarter grids that it opens up. ... speaking. EV chargers, certainly same thing. Every EV charger that's been built out there, with the exception of Atom Power, is fed from a breaker, always, inside the EV charger ...

That's why Atom Power, which commercialized the world's first and only UL listed solid-state digital circuit breaker in 2019, announced today it is expanding into two new markets: electric ...

oSolid-State breakers are the next evolution in circuit protection oEV adoption is exponential over the next couple years oEvery electron must pass through a breaker to get to an EV oCharging ...

Founded in 2014, our innovative co-founders set out to create a new standard for the electrified world by creating a transformational solution to protect, monitor, & control electrical systems. Their vision and ingenuity along with a growing team of world-class engineers & leaders resulted in the Atom Switch(TM), the first UL-certified digital solid-state circuit breaker.

Although conventional electromechanical circuit breakers have a proven record as effective and reliable devices for circuit protection, emerging power distribution technologies and architectures, such as dc microgrids, require improved interruption performance characteristics (e.g., faster switching speed). The need for faster switching operation, in combination with the ...

Atom Power's Solid-State Circuit Breaker Might Deliver the Charging Landlords Seek. Regardless of how affordable electric vehicles become for renters, EV charging must make economic sense to rental property owners or it will not be pursued. Atom Power's EV charging solution reduces the complexity of managing



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hundreds of EVs charging ...

Source: Atom Power. Solid-state circuit breakers. After co-founding Atom Power in 2014, Kennedy and his team set out to commercialize solid-state circuit breaker technology. It was certainly not a new idea; it's been experimented with for at least four decades. "But our view was that the world needs a universal platform for protection ...

Atom Power's Atom Switches tick all the boxes for a next generation circuit breaker that's faster, smarter, and safer than legacy circuit breakers and that is just the beginning. "We build 100 amp, three phase, 50 amp three phase and two-pole variants of that," Kennedy said.

Solid state also means the Atom Switch does not have any moving parts. That means less maintenance (by a large margin) and a longer life. These are all wins for commercial and industrial applications where circuit breakers must perform flawlessly over decades to support the business. The AtomOS provides remote control over each Atom Switch.

Traditional mechanical circuit breakers have very low contact losses but are incapable of switching as quickly as solid -state circuit breakers. On the other hand, solid-state circuit breakers can switch quickly but, until now, have come with high conduction losses that result in significant wasted energy that must be dissipated in the form of ...

Atom Power provides reliable, scalable, and secure Level 2 and DC Fast Charging EV solutions, Switchgear, and integrated, robust software to ensure successful electrification of your fleet, business, government, destination, and more. ... Traditional mechanical circuit breakers. Digital solid-state serves as both circuit protection & EVSE ...

Atom Power, manufacturer of a UL-listed solid-state digital circuit breaker, has launched a new EV charging solution called PURPL, which charges vehicles directly from the circuit breaker, and incorporates energy management technology to keep electricity costs low. Because PURPL charges EVs directly from the breaker, the charging station itself does not ...

The patented Atom Switch(TM) revolutionized circuit breaker technology by creating the world's first and only commercial UL-listed digital solid-state circuit breaker - using a semiconductor to ...

Our Atom Power designed and produced silicon carbide module provides unparalleled circuit protection in a simplified form factor. Converts AC power from the circuit breaker panel bus into DC power for the control board. The communication supply enables communication to other breakers and the control system. Today, it charges electric vehicles.

(Solid-State Circuit Breaker) On/Off Power Scheduling Line Load . The Atom Switch (Solid-State Circuit Breaker) Or On/Off ... Line Load . The Atom Switch (Solid-State Circuit Breaker) Motor Controller Line



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Load . The Atom Switch (Solid-State Circuit Breaker) Switch 1 Switch 2 Power Source 1 Power Source 2 Can Backfeed Through Switches! Load ...

UL Listing a Solid State Circuit Breaker. Requires all TESTS from UL 489 PLUS UL 489i . Outline for investigation for Solid State Molded -Case Circuit Breakers. Introduces "STANDBY" state and defines operation Adds UL 991 reliability study Adds Leakage test for STANDBY not to exceed 0.5mA Adds Abnormal Voltage Test

Atom Power's digital solid-state circuit breaker, the Atom Switch, was recently the first of its kind listed to UL 489I, cementing the company as a leader in solid-state circuit protection.

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