

What is atom power's digital solid-state circuit breaker technology?

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.

What is atom power?

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.

How did atom power revolutionize the 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.

What is a solid state atom switch?

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.

What is atom switch?

The patented Atom Switch is already here today. 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.

Will a solid state circuit breaker disrupt the world of circuit breakers?

The design is largely unchanged since it was originally dreamed up by Thomas Edison back in the 1800s. Ryan Kennedy, the CEO of Atom Power, believes his solid state circuit breaker is primed to disrupt not just the world of circuit breakers, but also deliver realtime energy monitoring, control, with a host of software to tune it.

Vats' vision involves expanding Atom Power's platform of solid-state circuit breakers and cloud software to benefit from emerging energy and utility industry opportunities. The company has about 100 employees, most in ...

Atom Power is a technology company operating in the electrical industry, providing solutions that fundamentally change the way energy is consumed, managed, and commercialized. The ...

Atom Power is the first company to use Wide Band Gap (WBG) semiconductors in commercially available

solid state circuit breakers, and the only company to manufacture SiC ...

Recent advances in SiC have enabled the production of power switching devices like MOSFETS to have blocking voltages as high as 1700V and tens of milliohms of ON ...

In Atom Power's case, the solid-state digital circuit breaker is programmed to become the "EV smart charger" and the charging station itself is a simple terminal block and inexpensive. The ...

Atom Power has come up with a novel way to simplify charging stations, potentially reducing equipment and maintenance costs. Atom's UL-listed solid-state digital circuit breaker centralizes the power management system--the ...

Abstract: A solid-state circuit breaker (SSCB) with self-diagnostic, self-maintenance, and self-protection capabilities includes: a power semiconductor device; an air gap disconnect ...

Atom Power, inventor of a digital circuit breaker, introduced the second generation of its technology. The Generation 2 Atom Switch is now UL Listed to UL 489I -- the standard listing for solid-state circuit breakers. In May ...

"These patents showcase Atom Power's commitment to ongoing innovation in solid-state circuit protection and reinforce that our circuit breaker is the essential technology ...

Today, Atom Power's patented solid-state circuit breaker technology provides an advanced solution for powering EVs, centralizing charging and circuit protection at the enclosure-level to supply ...

Now Atom Power is launching the first UL safety-certified digital circuit breaker panel combined with smart software and connectivity that could help monitor and control energy use of buildings remotely. In the dark, dank ...

Atom Power's solid state Atom Switches offer the functionality of a circuit breaker on the surface, but their real potential stretches far beyond the breaker panel. One exciting application of ...

Atom Power, manufacturer of the first and only UL-listed solid-state digital circuit breaker, launched PURPL, Atom Power's EV charging solution that charges vehicles directly from the circuit breaker and incorporates novel ...

Figure 2 The first UL-listed commercial solid-state digital circuit breaker facilitates centralized charging at the panel level, providing both circuit protection and EV charging. Source: Atom Power. Atom Power manufactures ...

Headquartered in North Carolina, Atom Power invented the first and only UL listed commercial solid-state

digital circuit breaker -- the world's safest and fastest circuit breaker for ...

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 ...

Atom EV Level 2 chargers are powered by our patented, software-defined solid-state digital circuit breaker, centralizing charging at the enclosure and providing the highest levels of reliability, scalability, and security.

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 ...

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, ...

Atom Power invented the world's first UL-listed commercial solid-state digital circuit breaker, the Atom Switch(TM). We've centralized charging at the panel level, providing both circuit protection and electric vehicle charging, creating an EV ...

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