

Get the Infinite Perspective

ABB SACE Infnitus Solid State Circuit Breaker

Meet your all-in-one solution.

ABB SACE Infnitus is the world's first fully IEC 60947-2 certified, up to 2500A solid state circuit breaker, designed for supreme resilience and optimal efficiency across your DC distribution network.

Let's build the sustainable electrical distribution system of the future.



100x
faster¹

Near-zero breaking time, maximizing service continuity.

100x
endurance

Outstanding electrical life to meet the future's microgrid demands.

-70%
power losses²

Thanks to best-in-class technology, optimized for solid-state breakers.

Near zero
arc energy exposure

Optimize the safety of people and assets during fault current interruptions.

Get the Infnitus perspective



All-in-one integration

Minimize total cost of ownership with multi-functional connectivity, advanced diagnostics and an easy-install, compact design.



Maximize efficiency

Achieve cost savings up to \$1mUSD³ thanks to unique semiconductor technology that heavily reduces long-term power loss.



Drive sustainability

Harness the growing power of battery technology to build safe, resilient and scalable networks, designed for reliable renewables integration.



Optimize availability

Save up to \$100kUSD⁴ thanks to less than 25 microsecond breaking time and fault isolation, maximizing uptime and avoiding costly power interruption and system recovery.

¹ Compared to standard circuit breakers

² Compared to other solid-state breakers

³ Based on a standard cruise liner's energy savings over 10-year period.

⁴ Based on a 4MV plant with utility-scale battery system.