

What is a Softstarter?

A soft starter is a solid-state device that protects AC *electric motors* from *damage* caused by sudden influxes of power by limiting the large initial inrush of current associated with motor startup. They provide a gentle ramp up to full speed and are used only at startup (and stop, if equipped).



<https://www.youtube.com/watch?v=xwHe7gyrAYA>

Softstarters

Motor starting matters

Power and productivity
for a better world™



ABB's softstarters increase a motor's lifetime by protecting it from electrical stresses. They do so by letting you optimize starting currents that with conventional starting methods put lots of stress on the motor. With many built-in motor protection features, your motor is safe in its hands. ABB's softstarters are also installation-friendly and can cut your assembly and startup time by being easy to use and easy to learn. With everything that you need in one unit, from bypass contactor to overload protection, a single softstarter makes for a compact and complete starting solution. Furthermore, with many application specific features, ABB's softstarters can ultimately help you increase productivity. Torque control, pump cleaning and many more features let you do more than simply softstarting.

Main benefits

- Secure motor reliability
- Improve installation efficiency
- Increase application productivity.

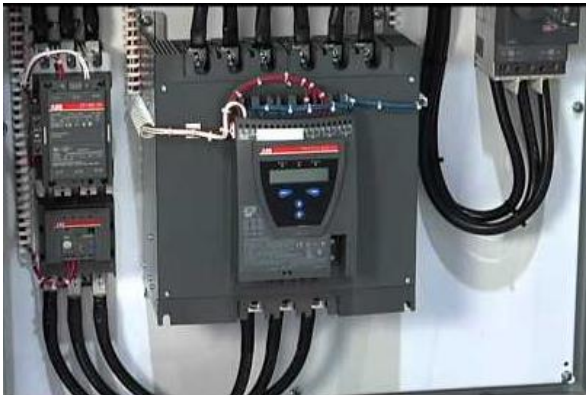
Main features

- Offering: PSTX, PST(B), PSE, PSR and PSS
- ABB's softstarters cover any motor application from 3 A to 1810 A
- Reduced starting current and less electrical stress on the motor and the network
- Fast and easy to install and set-up with a small footprint
- Reduced mechanical wear and tear on mechanical equipment.



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