

PCS100 Reactive Power Conditioner

Fast changing power factor solution

Solve your difficult power factor problems caused by fast changing processes. The PCS100 RPC can react and correct for a dynamic load. It operates with speed and efficiency not possible with traditional power factor solutions.

Power factor in dynamic loads

Traditional power factor solutions can react too slowly to changes in dynamic loads. They can also cause too much switching in and out of capacitors. This is unreliable and causes poor power factor correction.

PCS100 RPC solution

ABB's PCS100 RPC uses high speed IGBT inverter technology to control reactive power flow into the AC network. This allows fast changing loads to be controlled within milli-seconds with exact control over the reactive power delivered.

Applications



Cranes

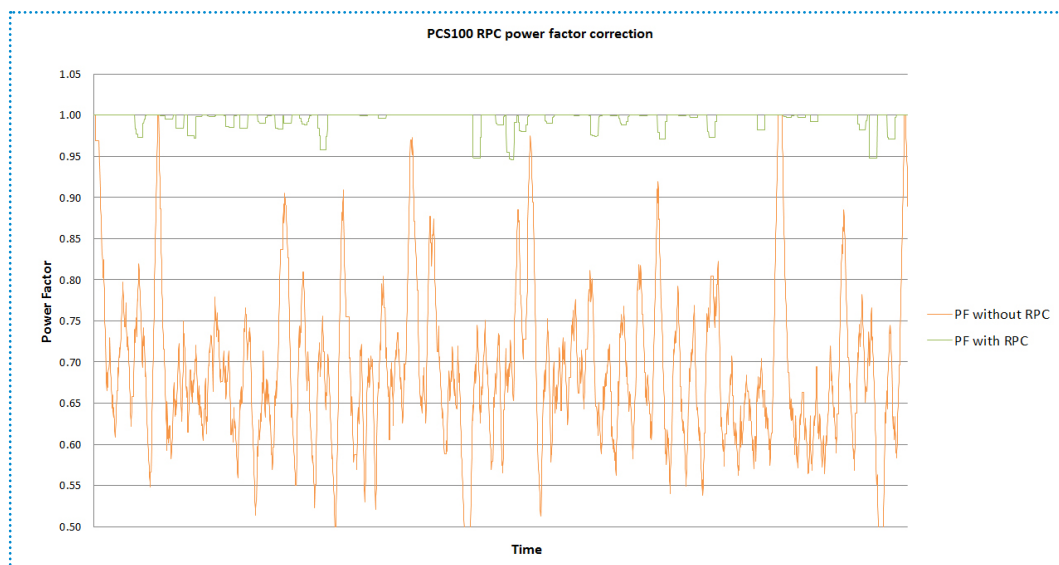
Cranes have fast changing loads. The PCS100 RPC can follow the changes and correct the power factor. If drives are used it can also correct low order harmonics.



Welders

Welders draw fast changing reactive current. The PCS100RPC can correct this and at the same time reduce voltage variations.

Click on www.abb.com/powerquality now to find your local contact person.



The measured power factor below is from a factory with a dynamic load (orange line). The green line shows the corrected power factor after adding a five module PCS100 RPC. This provides 520 kVar of reactive current and significantly improves the power factor.