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# Solving power quality solutions for U.S. semiconductor manufacturers

## PCS100 AVC-40 Active Voltage Conditioner



ABB's PCS100 AVC-40 is the innovative solution to protect against voltage sags to critical equipment in semiconductor fabs globally. It is highly efficient and simple to install and maintain. We deliver the power that bring CHIPS to life, taking power protection to a whole new level.

### **Plant productivity**

Continually compensates for voltage sags and fluctuations and corrects phase imbalances to critical loads. Protects sensitive process equipment from voltage sag events imposed by the power network.

### **Flexible with a small footprint**

With its compact footprint and range of available options, the PSC100 AVC-40 provides exceptional flexibility, making it an ideal solution for applications where space is premium. Also, multiple power ranges and system configurations ensure optimal performance without sacrificing valuable space.

### **Reduced total cost of ownership**

The PCS100 AVC-40 has a design lifespan of 15 years. This, paired with the battery free operation, the PCS100 AVC-40 requires minimal maintenance throughout its service life, and therefore delivers the lowest TCO option available.

### **Extensive industry know-how**

ABB has 20+ years' experience and knowledge in the power conditioning field, guaranteeing customers a partner with deep know-how about the best solution for their needs.



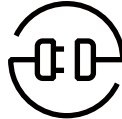
# PCS100 AVC-40 offering

From effortless installation to industry-leading innovation, explore how your business can harness its exceptional performance.



### 98% efficiency

With industry leading efficiency exceeding 98 percent the PCS100 AVC-40 requires minimal costs for electricity and cooling. With no energy storage the ongoing maintenance cost is reduced, resulting in lower total cost of ownership.



### Connectivity options:

- Ethernet
- Modbus TCP
- Integrated web server
- Onscreen power event tracking
- E-mail notifications



### Up to 3600 kVA

The product has been developed for both the UL & IEC markets, with power ranges up to 3600 kVA



### Fast correction

Responds in 250 microseconds with full correction in 8 milliseconds



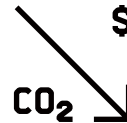
### Protects your equipment

The PCS100 AVC-40 minimizes the undue stress to equipment due to power quality events, thus increasing the lifetime of the equipment and protecting it against long term undervoltage, overvoltage or voltage imbalances.



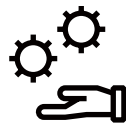
### Improves operation

The PCS100 AVC-40 regulates the voltage, removing long term undervoltage, overvoltage and voltage imbalances to reduce scrap, waste and damage to sophisticated tools and equipment.



### Sustainability – reduced CO2

PCS100 AVC-40 is a product that is highly efficient and has reduced CO2 emissions over its lifespan, in comparison to similar solutions.



### Reliable operations

Minimal maintenance required due to modular design and battery-free operations.