

arteche

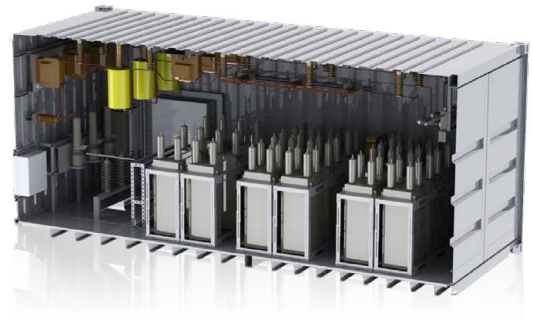


CAPACITOR BANKS AND
HARMONIC FILTERS IN ISO/DV
CONTAINER
smartVAR IC

The new smartVAR IC series is a system that combines the capacitor banks and harmonic filters from Arteche assembled in a standard ISO / DV container. It is a plug and play solution that is easy to transport and specially designed for the reactive energy compensation and harmonic filtering in renewables generation plants such as wind farms or photovoltaic parks and comply with network codes anywhere in the world.

SmartVAR IC capacitor banks and harmonic filters provide **answers to simplify the grid interconnection of wind farms and photovoltaic parks**: They meet the reactive and harmonic requirements defined in different network codes, offer high reliability and availability, and are easily installed, even in remote locations.

This Solution offers the same offers the same electrical and mechanical features as the smartVAR ME metal-enclosed solutions with the advantages of integrating the system into a standard ISO / DV container.



Capacity: up to 13 MVar (*)
 Voltage: up to 38 kV
 Connection: Fixed or automatic
 Service: Outdoor / indoor



Safety and performance in demanding environments

- › **Explosion-proof** design.
- › **Mechanical interlocks** for access to the interior.
- › **IP54** protection rating.
- › Protection against corrosion up to **C5M**.
- › Compliance **with seismic standards** ETG1020 and IEEE 693.
- › Fire detection and extinguishing system (optional).



Plug and Play

- › Simple integration into the system.
- › Easy installation and quick implementation.
- › Reduced installation space.



Prepared for the future

- › **Flexibility** to update and adapt to future needs.
- › Swift visual inspection and **simplified maintenance**.
- › High degree of **standardization**.



Simplified transport to go further

- › Standards means for both ground and maritime transport, **with CSC certificate (Container Safety Convention)**.
- › **20 ft. ISO container** Standardized design up to 12 or 13 MVar 33 or 38 kV.
- › **Easy to unload**, no need for special tools.



Quality and reliability from the start

- › **Fully assembled and tested in the factory**.
- › **Integration of ARTECHE brand components and those from manufacturers** approved by our quality system.
- › **Design verified** via type tests according to IEC 62271-200.



For more information please download our Power quality solutions for grid code compliance in renewable energy brochure