

# Container power supply stations

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Container power supply stations are provided for outdoor operation. They are used for power supply of technological consumers e.g. applied in surface mining industry and oil and gas exploration enterprises. The photo above shows a container power station for a drilling rig F200 applied in the Polish Company PNIG "Nafta" Piła.

Supply of the power station can be led from a power line and from generating sets through a cable entrance located on a side-wall (middle part of the photo). Connections between external consumers and switchgears inside the container power and control ones are realised with using of plug-in sockets located on a socket board accessible from outside. The socket board is equipped with a cable platform hidden during transportation (right side of the photo, container end part).

On the container frame behind a grid shield there are a supply transformer and air conditioner (left side of the photo, container end part). The container contains:

1. Draw-out type panel switchgear 400/231V for technological consumers of power 75kW together with a 6-stage capacitor battery 275kVar, which can be supplied from:
  - power line
  - generating set
  - switchgear 690V through a transformer of power 500 kVA, 690/400/231V.
2. Panel switchgear 690V for 6 motors with inverters and 3 capacitor batteries 600kVar (1 battery for 2 motors). This switchgear can be supplied from:
  - generator No.1 of power 1200kVA, 690V
  - generator No.2 of power 1200kVA, 690V
  - transformer 1600kVA, 15/0,69kV.

This switchgear supplies a transformer 500kVA, 690/400/231V provided for supplying the switchgear 400V.

***Equipment submitted in this description is an example and can be adapted to individual requirements of customers***



Certified acc. to  
ISO 9001:2000



**ISO 9001**  
Akredytacja PCA





*View of the draw-out type panel-switchgear 400/231V for technological consumers of power 75kW together with the 6-stage capacitor battery 275kVar (left side of the photo). To the right there is the panel switchgear 690V for 6 motors with inverters and 3 capacitor batteries 600kVar.*



*Front side view of the draw-out type panel-switchgear 400/231V for technological consumers. High wattage consumers are located in drawers (middle part of the switchgear) and low wattage consumers - on montage plates (left side of the photo)*



*Board with plug-in sockets for connecting external consumers.*



*Container power supply stations can be transported from place to place according to customer's necessity. Whole structure of the container together with such equipment like transformer and air conditioner are assembled on a support frame. It allows for safe and not difficult loading and transport.*

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