

High voltage grids

STATIONS FOR GRID OPERATORS

to ensure optimum grid reliability

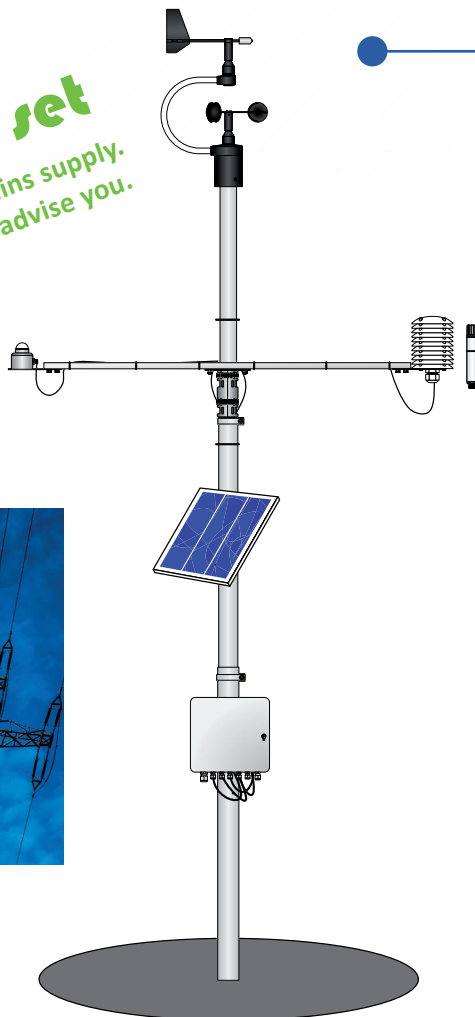
The challenge for grid operators today is to send the optimum amount of electricity through the grid lines at all times. This amount is influenced by a number of factors, including climatic conditions such as wind, temperature and solar radiation. If the overland cables heat up due to external factors, the distance to the ground (safety-relevant issue) on the one hand and the transmission capacity on the other hand decrease.

In complex studies, specially polluted hot spots along a route are identified and monitoring stations are set up. These weather stations are used to record values for wind speed, wind direction, temperature, relative humidity and, if required, global radiation.

On the basis of these data, among other things, the voltage fed into the grid is controlled and the use of the grid is optimised.



Complete set
Also possible with mains supply.
We will be happy to advise you.



Weather station

Complete weather monitoring station for grid operators

consisting of

- 00.14582.070470 ARCO SDI-12
Combined wind sensor
- 00.08095.100000 THP[pro] Combined sensor
with membrane filter for the parameters
air temperature, rel. humidity, air pressure
- 00.08141.600004 Weather/ radiation protection shelter,
electrically ventilated
- 00.16103.501060 Pyranometer „ISO Second Class“
- 00.95770.000000 Ser[LOG] serial data acquisition and
communication system
- 32.95666.032000 Mast support for LOGGER-H (housing)
- 32.95666.030000 Sheet steel housing IP 66 · Prepared for
mounting of data logger components
Dimensions: 380x380x210mm HxWxD
- 32.95666.040080 LOGGER-CC2 · consisting of:
Charge controller for solar supply
Mounting rail bracket for charge controller
Mounting rail with connection clamps
- 32.95666.055040 TROPOS-SOLAR/2 Solar panel
max. 50 Watt (incl. mast mount,
battery 12 V/32Ah, connection cable)
- 32.90268.002010 Modem set consisting of: modem,
data cable, power cable, round antenna

Complete set incl. all necessary cables

