



Specifications are subject to change | June 2022





SYSTEM COMPONENT

CONTROL CABINET WITH 3 POWER MODULES

Dimensions 1213 x 656 x 2351 (height) mm Weight < 980 kgIndoor housing IP20 Temperature range, operation $-20 \text{ to } +40 \,^{\circ}\text{C}$ Cable entry at the bottom Cooling Air Cooling Place of installation < 2000 m Humidity < 95% non-condensing

POWER MODULES

Three power modules can be housed in each VENCON. Individual DC or AC configuration for each module. For optimal operation, VENCON is equipped with one DC* and two AC** power modules.

* DC power module 3 x 120 kW | ** AC power module 1 x 150 kW

OPERATION AS AN AC POWER MODULE bi-directional and grid-synchronized

Rated voltage 400 V

Mains frequency 50 or 60 Hz

Switching frequency 4 kHz

Nominal power 300 kW (2x150 kW)

Power factor 0,9 cap to 0,9 ind

Mains protection U<<, U<, U>, U>>, f<, f>
(performance figures based on the use of two AC power modules)

OPERATION AS A DC POWER MODULE DC/DC converter and bi-directional

Voltage/operating range
Rated voltage
600 V DC
Maximum input voltage
720 V DC (operation)
Switching frequency
4 kHz
Rated power
3 x 120 kW *
Number of DC inputs

*at a rated voltage of 600 V

CIRCUIT DIAGRAM

