

DUAL SiC INVERTER

3x400V 2x52kVa



Device of new generation



Nominal power 2 x 52kVA



Modular system

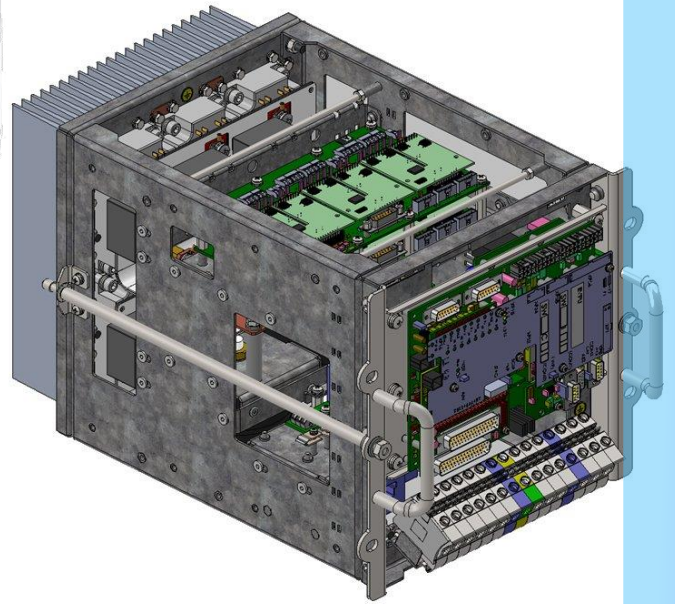
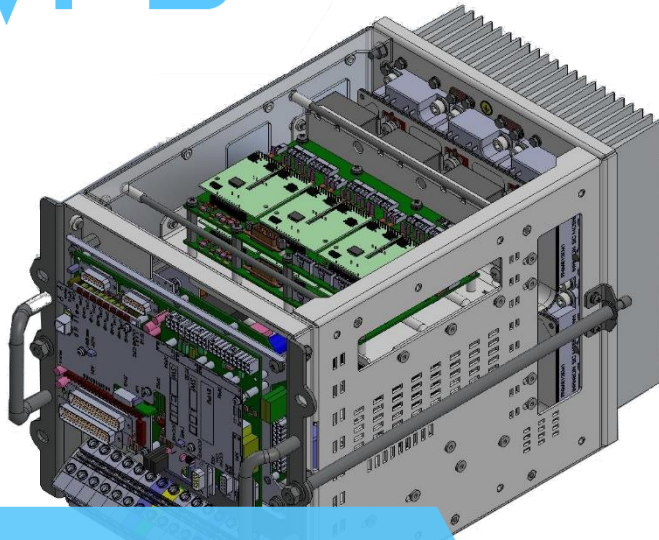
All key parameters and operational modes are adjustable by software.

Power module contains two three-phase inverters. Two independent power stages are controlled from one common control board. Various modes can be selected by software setting. Two inverters can be fully independent or can work in parallel into common output. In case of failure of one inverter stage other inverter can continue in operation.

SiC MOSFETs used in module allows to use high switching frequency and reduce size of sinus filter components as well us to improve efficiency of inverter.

Technical specification

Nominal input voltage	680V DC (intermediate bus)
Nominal output voltage	3x400V AC
Nominal phase current	75A
Overload current	150A / 5s
Nominal power	2 x 52kVA
Nominal output frequency	50Hz (variable frequency possible)
Range of output frequency	adjustable from 0 to 100Hz
Switching frequency	up to 50kHz (fmax depends on minimal output frequency and value of overload)
Cooling	forced air
Feeding of control board	24V DC (16,8V-30V)



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