

Q2V

Inverter

5 things never to forget

- 1 Hardware cost reduction:
 - Built-in C1/C2/C3 class EMC filter and embedded functional safety (STO SIL3/PLe).
- 2 Flexible motor control:
 - IM, PM & SynRM motors
- 3 Customize your drive to your application:
 - By Intuitive drag and drop programming.
- 4 Save engineering and commissioning time :
 - Thanks to software tools, mobile app and Wizards.
- 5 Proven robustness:
 - Reduce machine downtime thanks to higher protection from dust and humidity.



Features and benefits

- Flexible motor control: IM, PM, SynRM.
- V/f and Sensorless vector motor control.
- Speed and torque control in open loop.
- Embedded STO (Safe Torque Off) safety function, SIL3/PLe.
- Built-in C1/C2/C3 class EMC filter.
- Built-in braking transistor.
- Quick and easy setup with optional remote LCD keypad with Micro SD card for data storage.
- 24 VDC power supply input for control board.
- Communication options: EtherCAT, EtherNet/IP, PROFINET, Modbus TCP/IP, POWERLINK.
- Up to 5 Q2V with a single communication option card.
- PC configuration tools: Q2edit and Q2dev.
- Mobile app for setup and monitoring: Q2app
- CE, UL, cUL, EAC, RoHS

Important to find out

- Do you have applications with inverters up 30kW?
- Do you have applications with constant torque or variable torque in open loop needs ?
- Do you want to increase your motor control energy efficiency with any kind of motor (IM, PM, SynRM)?
- Do you want to reduce your drive programming and commissioning time ?

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Markets and applications

Markets:

F&C, Automotive, Pharma & Chemical, Ceramic.

Applications:

Material Handling, Conveyors, Feeders, Rotative tables, Centrifuges & Mixers, Compressor, Press, Hoist, Spindle, Winders, Home lifts, Oven/Furnances, Pumps & Fans, Cleaning/Washing, Climate control/HVAC.

Sales considerations

- Q2 Series families are launched to replace current 1000 Series.
- Q2A and Q2V are launched because normally the applications will be a mix of different families.
- New customization functionality will be launched in different steps.

Competitors

- SIEMENS G120C
- LENZE i510 & i550
- SCHNEIDER ATV320C & ATV320B
- CT M300 & M400
- ABB ACS355
- ROCKWELL Power Flex 523/525/527