# Generation Easy for multi-axis applications. 



The innovative i700 servo inverter for central motion control is characterised by its compact and highly flexible design: dual axes keep the drive size to a minimum, dynamic motor control makes it suitable for use in a wide range of applications. Drive integration, commissioning and maintenance are substantially simplified thanks to its installation concept and easy engineering.

## Highlights

- Power range 0.75 to 15 kW
- Easy to use: from installation to service
- Compact: both in size and connection system
- Flexible: motor control for synchronous and asynchronous motors
- High performance, e.g. with real-time EtherCAT bus system



## i700 - in use

## Controller-based automation

Powerful central motion control of demanding machine tasks is best achieved with our controller-based automation.

The i700 servo inverter for multiaxis application can drive all centrally controlled motors in your machine module - from three-phase AC motor to servo motor.

## i700 functions

- Multi-axis system
- Single and dual axes
- Power supply module
- DC-bus connection via busbar system
- Pluggable connection system
- Automatic parameter/firmware download via the control system
- Motor control
- Servo with field weakening and torque pre-control
- V/f control for standard asynchronous motors without encoder



## Technical data

| Rated current |  | 2.5 | 5 | 10 | 16 | 24 | 32 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | I [A] |  |  |  |  |  |  |
| max. output current 3 sec |  | 5 | 10 | 20 | 32 | 48 | 64 |
|  | I [A] |  |  |  |  |  |  |
| Power supply module mains voltage |  | $3 \times 230 \ldots 480$ |  |  |  |  |  |
|  | U [V] |  |  |  |  |  |  |  |  |  |  |  |
| Rated power |  |  |  |  |  |  | 15 |
|  | P [kW] | 0.75 | 1.5 | 4 | 7.5 | 11 |  |
| Dimensions |  | $350 \times 50 \times 260$ |  |  | $350 \times 100 \times 260$ |  |  |
| Single axise | $\mathrm{H} \times \mathrm{W} \times \mathrm{D}[\mathrm{mm}$ |  |  |  |  |  |  |  |  |  |  |
| Dual axis | $\mathrm{H} \times \mathrm{W} \times \mathrm{D}[\mathrm{mm}$ | $350 \times 50 \times 260$ |  | $350 \times 100 \times 260$ |  |  |  |

