

Industrial Inverter E2

Cost-effective, user-friendly industrial inverters for rugged, reliable control



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The E2 range is available with IP20 and IP66 enclosures to suit customer needs. Dust-tight and ready for washdown, the IP66-rated industrial inverters can be mounted directly on your processing equipment. The IP20-rated inverters can be mounted in control cabinets or in machine parts providing the required protection. The E2 range also features the world's first fully digital drive for low power single phase motors. Designed for use with permanent split capacitor (PSC) or shaded pole, single phase induction motors.



The easy-to-use, cost competitive solution to motor control

The Beijer Electronics Industrial Inverter E2 range is dedicated to low power applications, combining innovative technology, reliability, robustness and ease-of-use.

Intuitive keypad control

Precise digital control at the touch of a button.

Simple commissioning

14 parameter basic setup. Default settings suitable for most applications. Contactor style connection for simple wiring.

Integral RFI filter

Built-in filter for full EMC compliance.

Modbus RTU

Easy integration with your control and monitoring systems.

Compact enclosures

Small mechanical envelopes to help minimize your space requirements.

Brake chopper (sizes 2 and 3)

Dynamic and compact options with heatsink mounted resistor.

High overload capability

- 150% overload for 60 sec
- 175% overload for 2 sec

Industrial ambient ratings

- IP20 enclosure: 50°C
- IP66 enclosure: 40°C

OEM

Optistick with RJ-45 connection to inverter for easy parameter up or download. Communicates with PC via Bluetooth.





IP20

- **IP20**
The IP20-rated inverters can be mounted in control cabinets or in machine parts providing the required protection.
- **IP20 explained:**
Protection against fingers or other object not greater than 80 mm in length and 12 mm in diameter. No moisture protection.



IP66

- **Dust-tight design**
Install in-situ and be sure of protection from dust and contaminants.
 - **Ready for washdown**
With a sealed ABS enclosure and corrosion resistant heatsink, the Industrial Inverter E2 is ideal for high pressure washdown applications.
 - **On-drive control**
Switched IP66 models feature convenient controls for speed control, REV/OFF/FWD and Power ON/OFF, complete with safety lock.
- Non-switched IP66 models available.**



Ideal for:

- Bottling
- Pumping
- Waste water
- HVAC
- Conveyor
- Baggage handling
- Exercise
- Packaging
- Woodworking
- Ceramics

Recommended for:

- Paper
- Petroleum
- Food processing
- Aggregate/cement
- Mining
- Textile
- Horticultural
- Chemical
- Agricultural

Options

- Dynamic braking resistor
- Mains supply input chokes
- Motor output filter, recommended for long cable runs
- 2 Relay output option
- Remote mounting keypad
- RJ-45 cables and splitters
- Isolated RS485 USB adaptor
- Commissioning and storage software for PC
- External DeviceNet, Profibus and Ethernet gateways
- PC-program for settings
- Parameter Optistick with RJ-45 connection and Bluetooth communication

