

# AC10 IP66

IP66 / NEMA 4x apply to IEC standard 60529-2004 and assess the capability of an enclosure to resist specific environmental conditions. Parker AC10 IP66 offers all the great benefits of the AC10 series drives but with added environmental protection, validated by the IEC, to allow operation in difficult conditions.

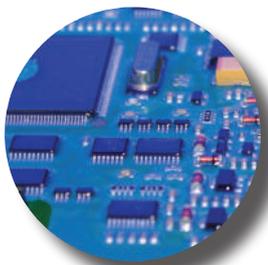


## Applications

AC10 IP66 provides a no-fuss approach to general purpose industrial motor control applications across a wide range of industries.

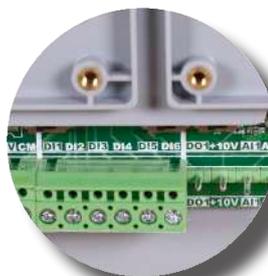
The IP66 enclosure enables use in both indoor and outdoor applications where environmental conditions may be a concern, such as wash-down areas in food and beverage facilities and use in waste plants or rooftop units.

For outdoor applications the drive should be installed under a suitable cover to provide protection against potential damage caused by direct exposure to sun, ice and snow.



### Suited to all environments

- Robust IP66 rated enclosure for environmental protection
- Optional Internal EMC filter allows use in C3 industrial environments
- Conformal coating provides protection in arduous class 3C3 environments
- 50 °C operating temperature



### Flexible Connections

- Freely assignable digital inputs and outputs, and relay output to suit your application needs
- Internal dynamic brake switch as standard
- Connection to PLC or other Modbus RTU / RS485 network
- Clone module connection



### Easy Connection Access

- Easy user access to connections with removable gland plate



### Extra power when

- 150 % overload for 1 min at 0.5 Hz, 200 % at 2 Hz for extra starting torque for high inertia loads
- Output power can be reduced for operation in lower ambient temperatures



### When it's needed

60 seconds at  
seconds to provide  
e for shifting high

be updated for  
ambient temperatures



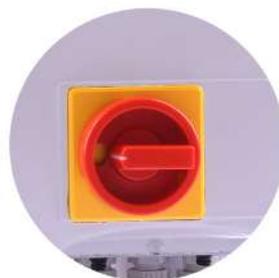
### All at the touch of a button

- Standard ergonomic keypad providing full access to all drive functions
- Simple out of the box operation thanks to integrated macros and quick start guide



### High Speed Operation

- Up to 590 Hz output for high speed operations such as spindles, centrifuges, mixers etc.



### Customisation Options

- User customisable option panel for:
  - Isolators
  - Switches
  - Push buttons
  - Indicators

## Energy savings made simple

For applications such as fan control, energy savings of up to 50% can be achieved by using the AC10 IP66 to match the motor speed to process requirements.

In addition to saving energy, power factor can be improved, system noise reduced, maintenance periods extended and overall service life increased.

AC10 IP66 can be integrated close to the motor, regardless of the environmental conditions, saving in cabling costs, space and energy as well as the cost of separate cabinets.

Dependent upon the application, payback time can be as little as a few months.

## Decentralisation

AC10 IP66 enables the decentralised drive system where the drives should be installed as close as possible to the motor it is running. Savings can be achieved through reductions in cable installation times as well as the cost of the cabling itself.

Because the drive is self-enclosed no cabinets are required to hold them, saving space and money. Self-enclosure also means that heat output from the drives does not need to be ventilated from the cabinet, leading to a system which is simpler and easier to maintain.

### AC10 Software

DSE Lite, the software package for AC10 series, is easy to use, with straightforward block programming and an intuitive user interface.

It is available free of charge.