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## Additional Keypads

They allow the remote control of the drives that have film type keypad, as well as the copy of parameters.

The CV50 series has an optional advanced LCD keypad that can replace the default LED keypad included on the drive.

It has 10 lines of information, and contains a brief explanation of each drive parameter and the different selection options.



## Output chokes

These decrease peaks of voltage generated by the drive's IGBT switching and the capacitive effect of the cable, short-circuiting high frequencies in common mode. They also prevent the premature ageing of the motor's windings and bearings. Recommended for facilities in which the cable length between the drive and the motor is between 50 and 100 metres approximately.



## Sine-wave filters

These convert the output waveform of the drive into a pure sinusoid, eliminating any problems resulting from the drive's IGBT switching.

This switching, together with the cable capacity, generates significant voltage peaks that can affect the insulation of the motor and lead to premature failure if this type of filter is not installed.

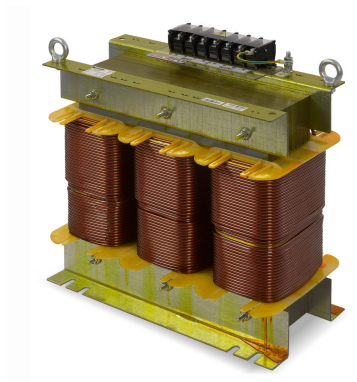
Highly recommended for facilities in which the cable length between the drive and the motor is greater than 100 metres.

It also enables motors in parallel to be connected to the same drive and emulate electrical mains (single-phase to three-phase switching, frequency changes, etc.).



## Input reactors

These reduce the harmonics generated by the drive, protect it from overvoltages and micro-cuts, and limit line current.



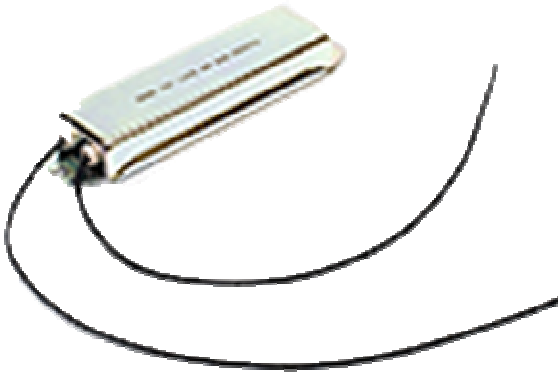
### Installation bracket and extension cable

This kit consists of an installation bracket for mounting the keypad on the door of the electric cabinet and an extension cable.



### Braking resistors

Braking resistors of ohmic value and power suitable for each drive. Encapsulated in aluminium or box mounted.



### Side covers

They are indicated for harsh environments, improving the protection of the drive. Its assembly involves derating the drive by 10%.



## EMC input filters with easy connection

All drives in the CV50 series and those in the CV30 series with three-phase power supply of 230 V  $\geq$  1.5 kW and 400 V  $\geq$  4 kW have a category C3 built-in EMC filter as per standard EN 61800-3. For the other drives, an optional category C3 EMC filter is available to connect in parallel to the input of the drive and located underneath, occupying a very small space.



Salicru researches and develops power electronics equipment to ensure a continuous, clean and reliable power supply.

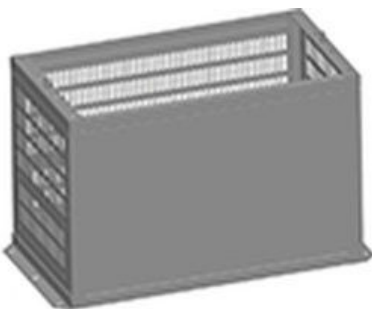
## Flange mounting pieces

They allow working in dusty environments without affecting the reliability and durability of the equipment. With this type of assembly, the drive electronics are in a clean space, while the radiator is exposed to the environment allowing heat dissipation.



## Floor mounting installation base

It allows mounting the drives from 220 kW to 315 kW on the floor. In turn, it allows incorporating in its interior an input reactor or a sine-wave filter.



## Automatic switching module

ATS MOD-...-4PV modules enable an automatic switching installation to be carried out. When the energy available in the solar panels is insufficient to power the drive, the system switches to the mains or generator, and switches back when the energy is sufficient.



## Devices Booster module

The BOOST MOD-320-PV module enables the number of solar panels required to power the system to be greatly reduced, resulting in considerable financial savings and simplified installation. It also allows automatic switching to the mains or a power generator. It can be used in drive models of up to 2.2 kW.



## GPRS module and smartphone app

These enable parameter setting and remote monitoring of the devices, and facilitate system maintenance.



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