

## Methods to power on the inverter

Use one of the following methods to power on the inverter for downloading / uploading parameters:

- Power on from the mains supply.
- Power on from the built-in battery power supply. Press the power button on the Parameter Loader and the inverter is powered on.
- Power on from an external DC 5 V power supply that is connected to the Parameter Loader. Press the power button on the Parameter Loader and the inverter is powered on.

## Transferring data from inverter to MMC / SD card

1. Fit the option module to the inverter.
2. Power on the inverter.
3. Insert the card into the option module.
4. Set P0003 (user access level) = 3.
5. Set P0010 (commissioning parameter) = 30.
6. Set P0804 (select clone file). This step is necessary only when the card contains the data files that you do not desire to be overwritten.

P0804 = 0 (default): file name is clone00.bin

P0804 = 1: file name is clone01.bin

...

P0804 = 99: file name is clone99.bin

7. Set P0802 (transfer data from inverter to card) = 2.

The inverter displays "8 8 8 8" during transfer and the LED is lit up orange and flashes at 1 Hz. After a successful transfer, both P0010 and P0802 are automatically reset to 0. If any faults occur during the transfer, see Chapter "Faults and alarms (Page 281)" for possible reasons and remedies.

## Transferring data from MMC / SD card to inverter


There are two ways to perform a data transfer.


### Method 1:

**(Precondition: Inverter is to be powered up after inserting the card)**

1. Fit the option module to the inverter.
2. Insert the card into the option module. Make sure the card contains the file "clone00.bin".
3. Power on the inverter.

Data transfer starts automatically. Then the fault code F395 displays which means "Cloning has occurred. Do you want to keep the clone edits?".

4. To save the clone edits, press  and the fault code is cleared. When the clone file is written to EEPROM, the LED is lit up orange and flashes at 1Hz.

If you do not wish to keep the clone edits, remove the card or the option module and restart the inverter. The inverter will power up with the fault code F395 and r0949 = 10 indicating that the previous cloning was aborted. To clear the fault code, press .

#### Method 2:

**(Precondition: Inverter is powered up before inserting the card)**

1. Fit the option module to the powered inverter.
2. Insert the card into the option module.
3. Set P0003 (user access level) = 3.
4. Set P0010 (commissioning parameter) = 30.
5. Set P0804 (select clone file). This step is necessary only when the card does not contain the file "clone00.bin". The inverter copies by default the file "clone00.bin" from the card.
6. Set P0803 (transfer data from card to inverter) = 2.

The inverter displays "8 8 8 8" during transfer and the LED is lit up orange and flashes at 1 Hz. After a successful transfer, both P0010 and P0803 are automatically reset to 0.

Note that fault code F395 only occurs with power-up cloning.

## B.1.2 External BOP and BOP Interface Module

### External BOP

Order number: 6SL3255-0VA00-4BA0

The external BOP is used for remote control of the inverter operation. When mounted on a suitable cabinet door, the external BOP can achieve a UL/cUL Type 1 enclosure rating.

#### Components

- External BOP unit
- 4 x M3 screws