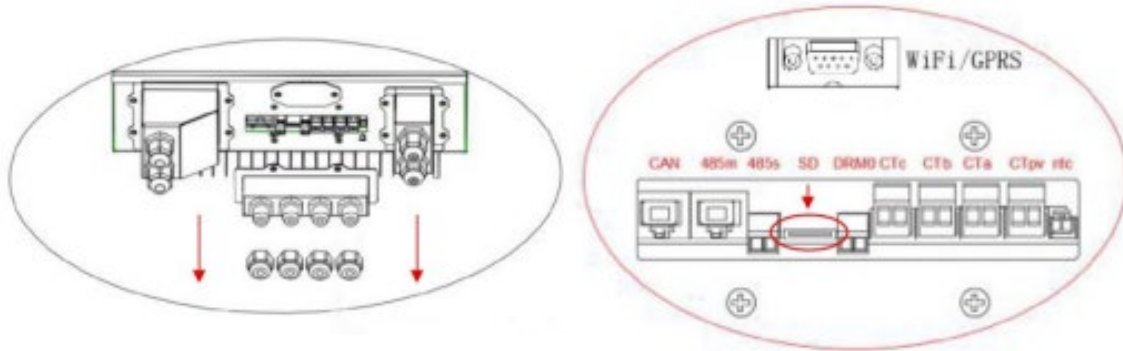# ZCS 3000SP INVERTER UPGRADE PROCEDURE AND AZZURRO ZSX 5000S BATTERIES

PROGRAMMING PROCEDURE VIA MICROSD

The microSD card required for the update can be removed from the slot in the central part of the underside of the inverter, recognizable by the SD silkscreen, as shown in the image.
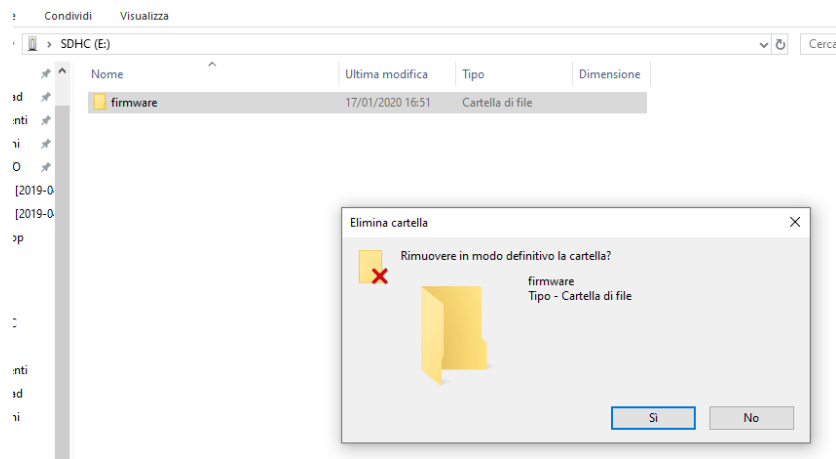

If the microSD is not present in the slot, it is possible to find one independently

1. Insert the microSD into a PC using a suitable adapter (microSD to USB).
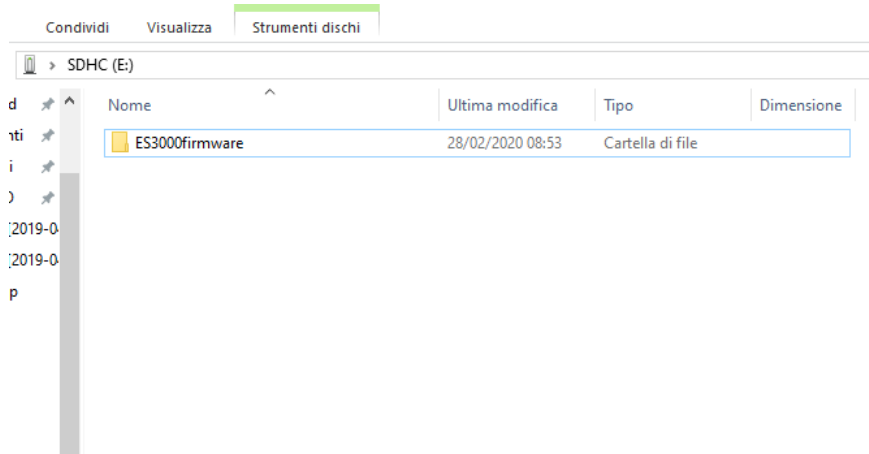

2. Delete any folders and format the microSD with FAT32 system.

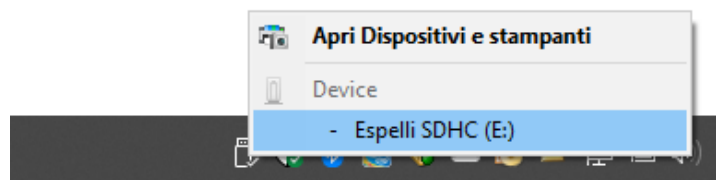3. Copy the folder named ES3000firmware provided inside the folder Firmware 30000 SP – V3.51 (or higher)The folder must not be compressed; inside there are 4 files.

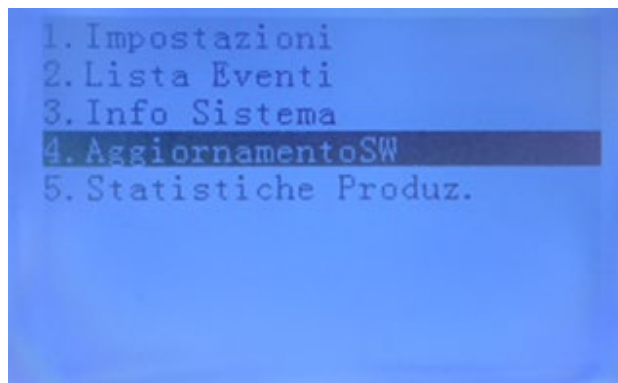4. Safely remove the device and remove the microSD from your PC.

INVERTER UPGRADE PROCEDURE

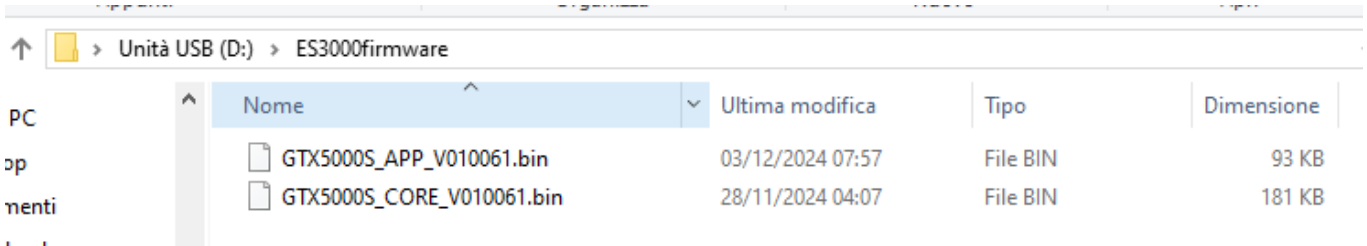1. Insert the microSD card into the slot and press it down with light pressure until you hear a click.

2. Start the inverter by connecting the AC line via the wall-mounted disconnect switch

3. Wait for the display to light up and, using the keys, access the main menu by pressing the ESC key (first from the left), scroll with the DOWN ARROW key and access the SOFTWARE UPDATE item by pressing the ENTER key (fourth from the left). Enter the password *0715* using the UP ARROW and DOWN ARROW keys to change the numeric value and the ENTER key to move to the next digit; press ENTER again to start the update.

4. The update process will last about 3 minutes and will take place in complete autonomy.

5. Check that the inverter finishes the update correctly and that the word ZCS INNOVATION appears on the display..; The inverter will then start normally.

5. Turn off the inverter by turning off AC power and wait for the display to turn off.

6. Remove the microSD and insert it into the PC using a suitable adapter (microSD to USB).

7. Format the microSD with FAT32.

8. Copy the folder named ES3000firmware provided inside the microSD card Azzurro ZSX5000S – V010061
   The folder must not be compressed; inside there are 2 rows .bin.

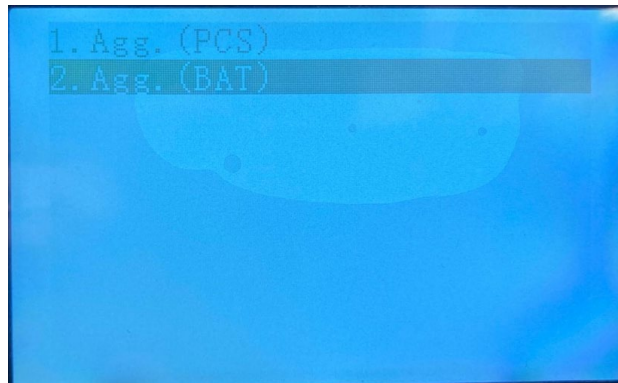|	Nome ⌃	Ultima modifica	Tipo	Dimensione
PC				
op	☐ GTX5000S_APP_V010061.bin	03/12/2024 07:57	File BIN	93 KB
menti	☐ GTX5000S_CORE_V010061.bin	28/11/2024 04:07	File BIN	181 KB

↑ > Unità USB (D:) > ES3000firmware

9. Safely remove the device and remove the microSD from your PC.

10. Insert the microSD card into the slot and press it down with light pressure until you hear a click.

11. Start the inverter by connecting the alternating line via the wall-mounted disconnect switch. Then turn on the battery(s) starting from the master to the last slave; to switch on, press the START button for 3 seconds until the LEDs light up.

    The batteries must be connected according to the following diagram using the communication cable supplied with the inverter:

    • LINK OUT of the master battery > CAN port of the inverter (RJ45-RJ9 cable)
    • CAN/LINK IN of the master battery > LINK OUT of the slave battery 1
    • CAN/LINK IN of slave battery 1 > LINK OUT In of slave battery 2
    ...
    • CAN/LINK IN of the N-1 slave battery (penultimate) > LINK OUT of the N slave battery (last)

12. Wait for the display to light up and, using the keys, access the main menu by pressing the ESC key (first from the left), scroll with the DOWN ARROW key and access the SW UPDATE item by pressing the ENTER key (fourth from the left). Enter the password *0715* using the UP ARROW and DOWN ARROW keys to change the numeric value and the ENTER key to move to the next digit; press ENTER again. Select the Add Item (BAT) to start the update.

The display will first say "Start BMS Update" and then "BMS Update %" with the progress of the update. Once the update is complete, the batteries will restart automatically.

13. Check the new firmware version of the inverter by pressing the ESC key, scrolling with the DOWN ARROW and accessing the SYSTEM INFO menu with the ENTER key. Under SERVICE CODE V3.51 (or higher) must be reported. Under the item Battery Type the wording AZZURRO ZSX V010061 must be indicated; finally, the Battery Capacity must be equal to the number of batteries installed by a factor of 100.