

MNE Ceresio fast charging procedure

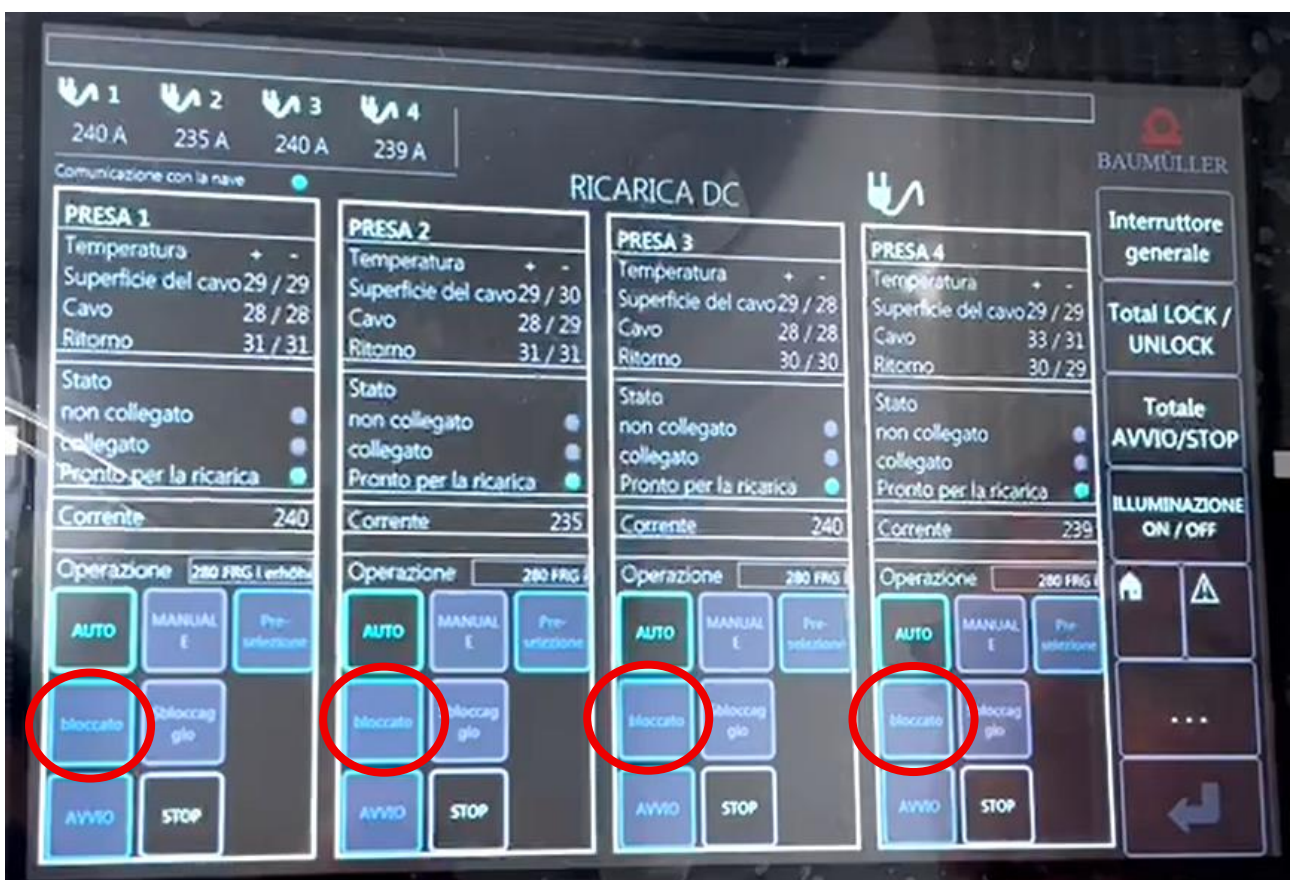
Charging cable connection:

Once you arrive at the pier, take the cables placed behind the charging station, bring them to the boarding deck of the boat, being very careful not to stress them excessively with twisting or rubbing as there is a coolant circulating inside. Once on board, insert the cables starting with 1 and ending with 4, inserting the cable into the socket waiting approx. 3 seconds for the locking mechanism to engage.

The lock status of each cable can be checked from the dashboard panel or from the charging booth by making sure that the button highlighted in the photo below (**bloccato**) has a light blue outline.

To enter the page shown in the photo press the buttons:

- **Three dots**
- **DC**



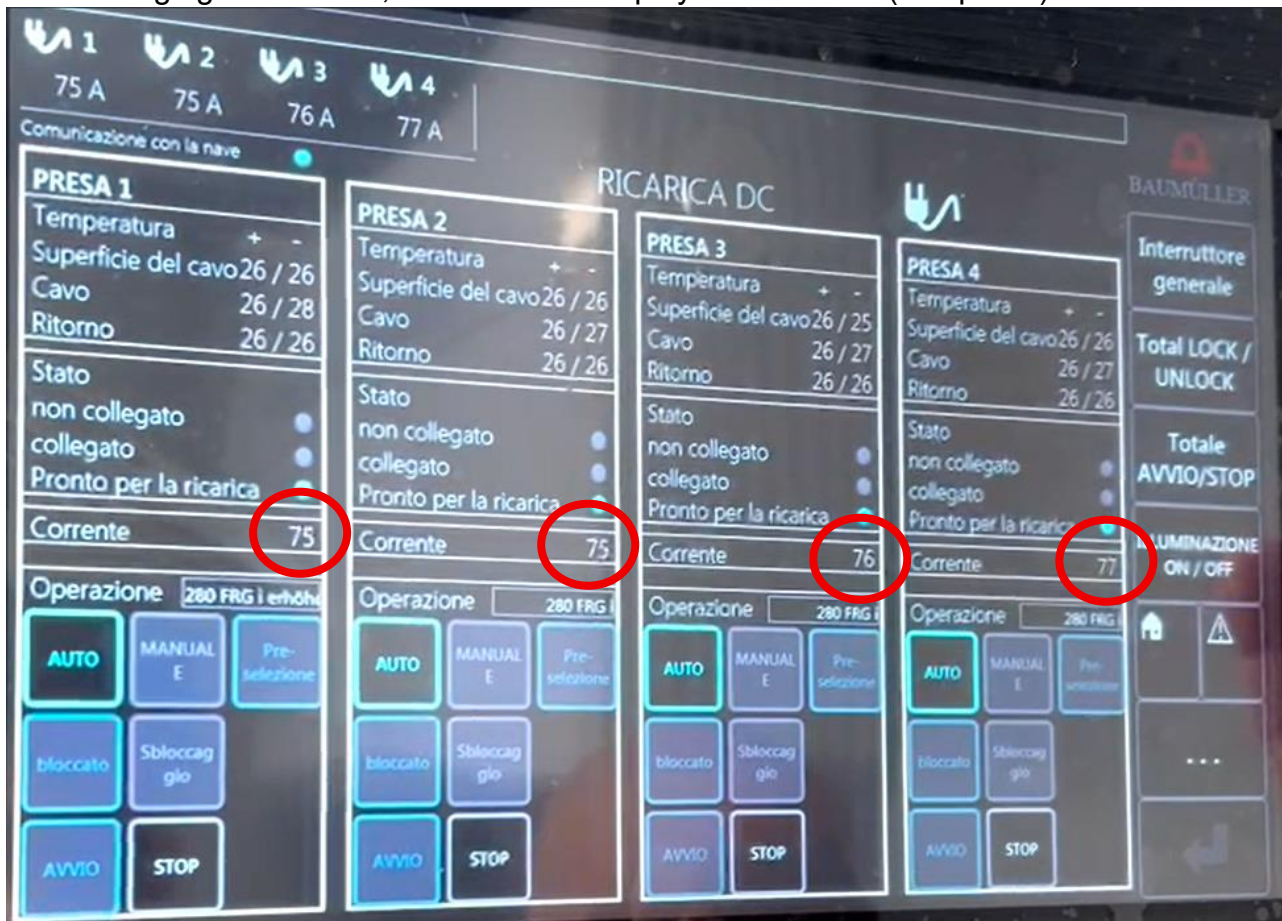
Charging operation:

Method 1:

Once the cable locks have been checked, you can proceed with the charging operation. On the charging station panel, press **MAIN SWITCH (INTERRUTTORE GENERALE)** and then press **CLOSE (CHIUDERE)** in the window that pops up.

Press **TOTAL START/STOP (TOTALE AVVIO/STOP)** and then press **START (AVVIO)** from the window that opens: this method is only valid if the recharge is carried out with all 4 cables.

Once charging has started, the current is displayed on screen (see photo).

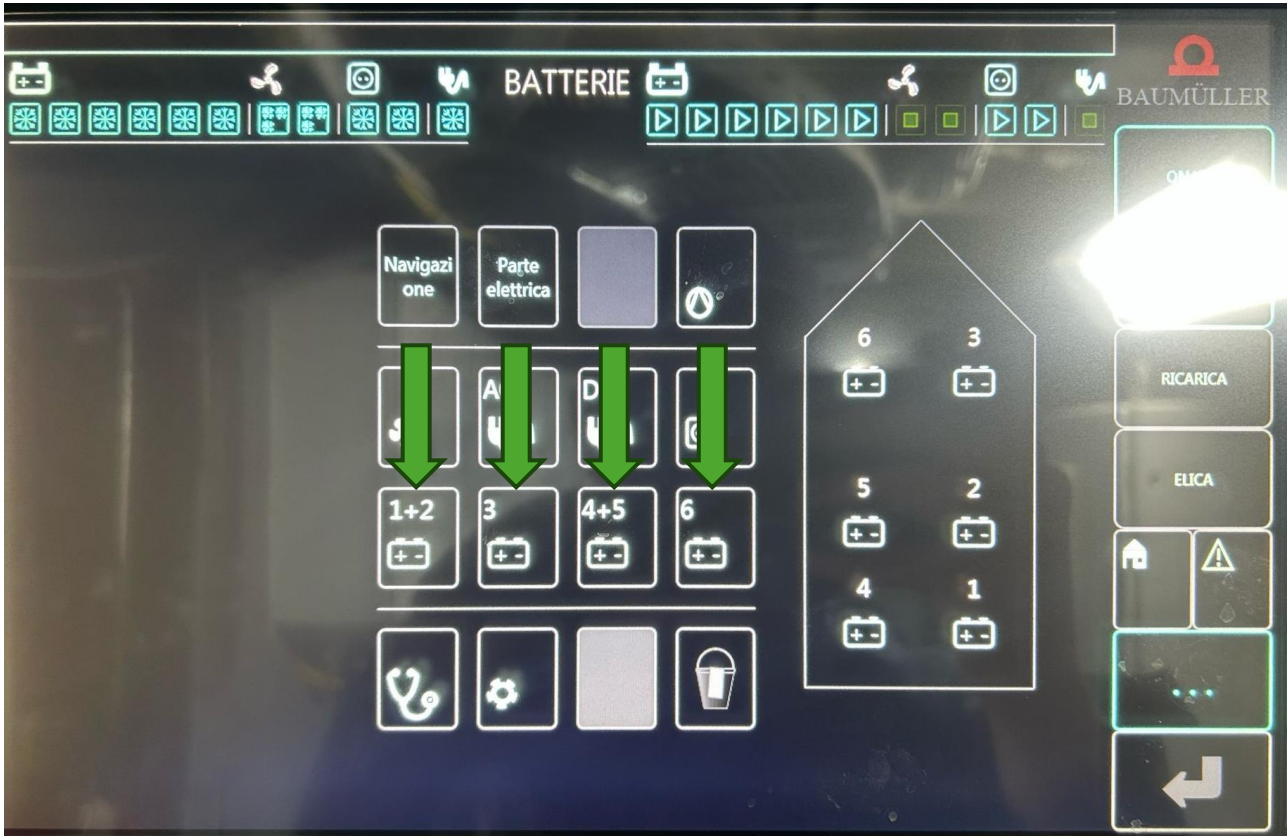


It is also possible to charge the batteries with 1, 2 or 3 cables, without the necessity of attaching all 4, depending on the amount of charging current that the batteries can accept.

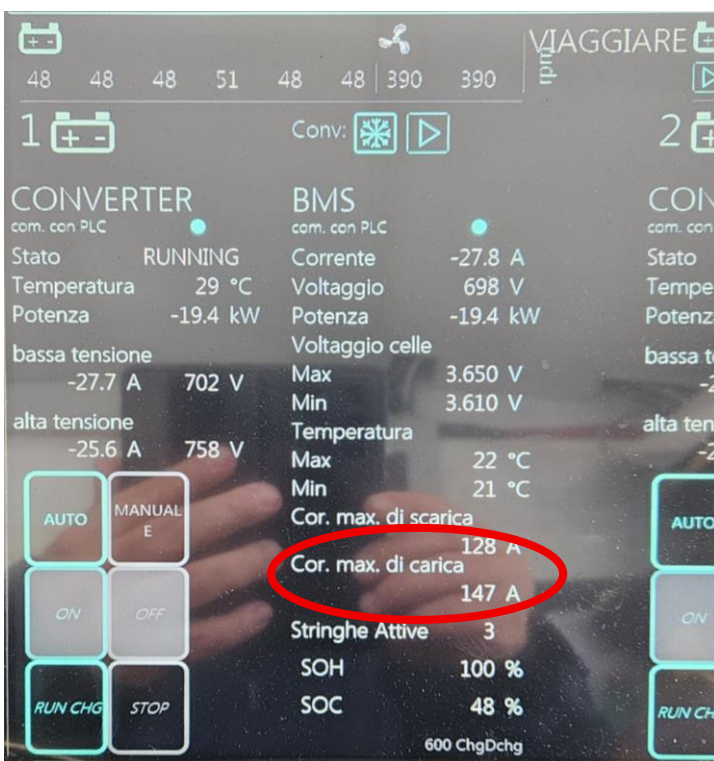
Each cable has a capacity of 400A, so a charging request of 800A will require a minimum of two cables but can also be done with 3 or 4 cables as the current is automatically redistributed equally.

To determine the current request, press:

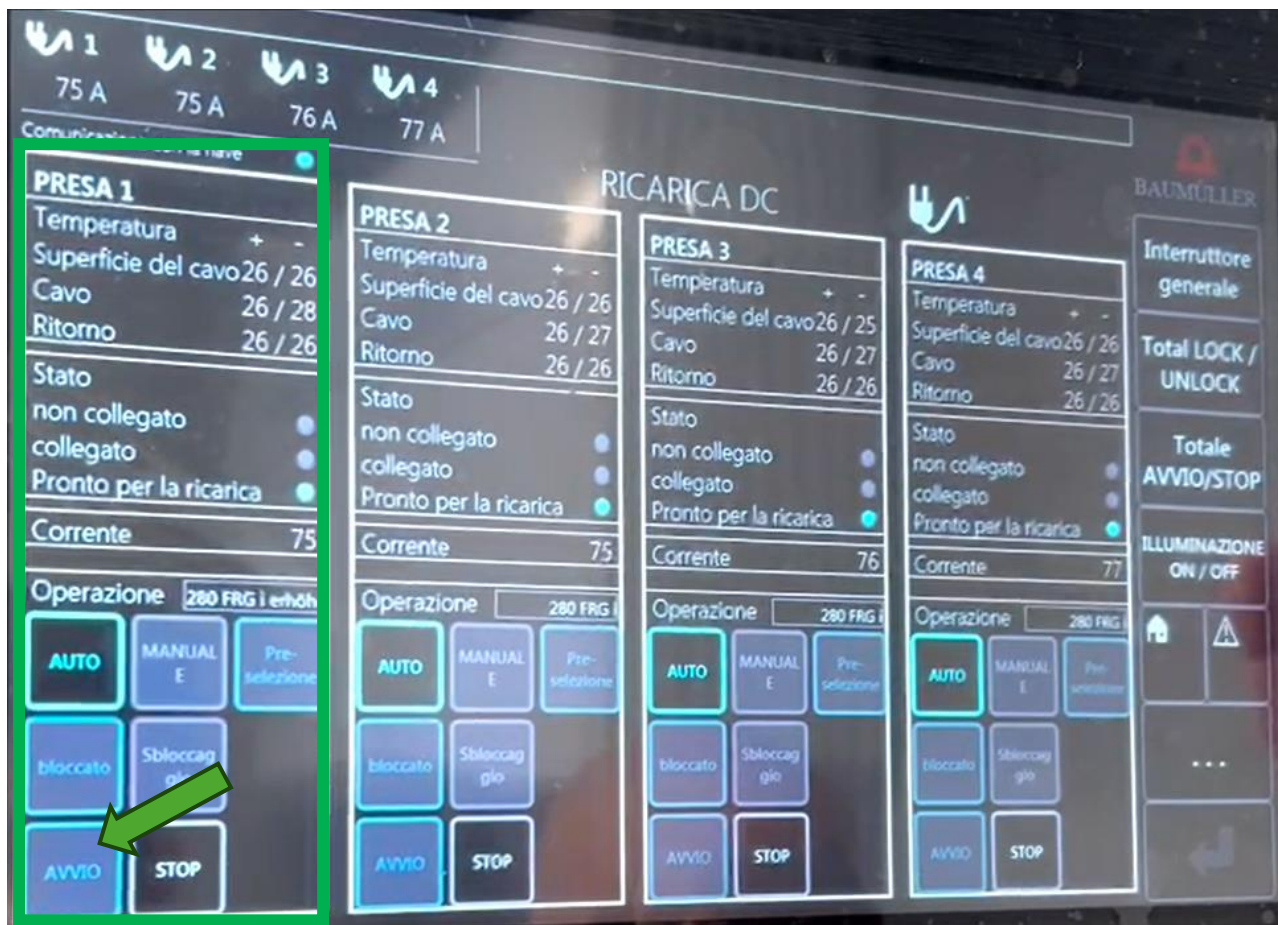
- **THREE DOTS**
- **BATTERY (BATTERIA) 1+2, 3, 4+5, 6** (see photos)



Enter each battery module and check the **max charging current (Cor. max. di carica)**, then add together this number for each battery to determine the total recharge required by the boat (see photo).



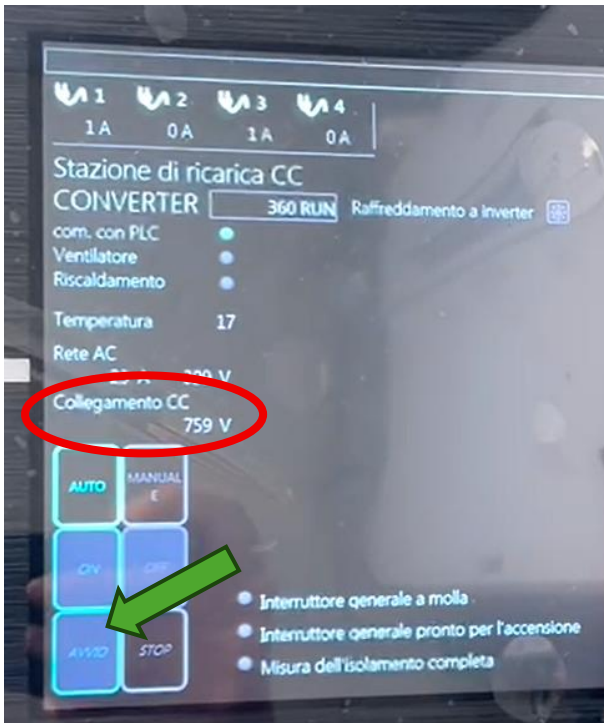
In the case of charging with a single cable, click **START (AVVIO)** in the box of the chosen socket (see photo).



Method 2:

Once the cable locks have been checked, you can proceed with the charging operation. On the charging station panel, press:

- **THREE DOTS**
- **VAC**
- **START (AVVIO)** (to check the DC connection (Collegamento CC) see photo)



- **THREE DOTS**
- **DC**
- **TOTAL START/STOP (TOTALE AVVIO/STOP)** (For charging with all 4 cables)

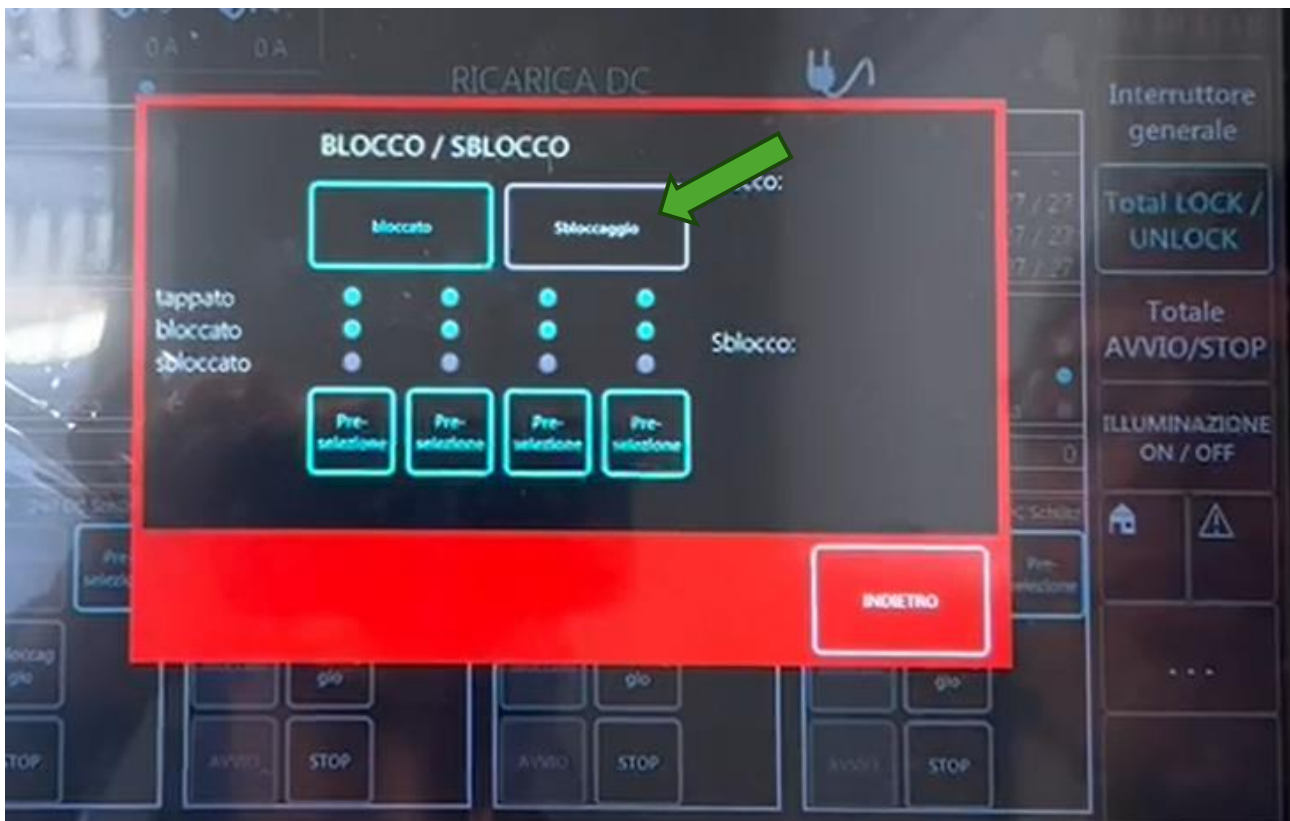
To charge with less than 4 cables, follow the procedure in "Method 1".

Stopping charging:

Once recharging is completed, press the **TOTAL START/STOP (TOTALE AVVIO/STOP)** button and press **STOP** from the window that pops up.

Then press **GENERAL SWITCH (INTERRUTTORE GENERALE)** and then **OPEN (APRIRE)** from the window that opens.

BEFORE DISCONNECTING ANY CABLES YOU MUST UNLOCK THEM. To do so press **TOTAL LOCK/UNLOCK** and then **UNLOCK (SBLOCCAGGIO)** from the window that opens (see photo).



At this point, disconnect the cables from the boat sockets and put them back in their place, always paying attention to the numbering and avoiding twisting and rubbing.

Operating directly from the boat:

Starting and stopping the recharge, as well as locking (automatic when the cable is inserted into the socket) and unlocking the cables can be carried out from the panel on the dashboard of the boat, but only individually cable by cable, whereas from the charging station there is the additional possibility of performing these operations for all cables at the same time.

Please note that the **MAIN SWITCH (INTERRUTTORE PRINCIPALE)** can only be closed and opened from the charging station.

Safety Procedures:

During the recharging of the boat it is **FORBIDDEN** to have passengers on board, and for the entire duration of the recharge the boat must be manned by a trained person.