

Instructions for use Wi-iQ

ENGLISH

Wi-iQ installation

1. **Be sure that the installation of the Wi-iQ is safe and there is no way to damage the Wi-iQ or wires when the battery is manipulated.**
2. **Carefully remove the negative (black) cable pin from the battery connector.** HOLD THE CABLE FIRMLY – DO NOT ALLOW THE CABLE END TO TOUCH ANY PART OF THE BATTERY.
3. Slide the cable through the current sensor on the Wi-iQ device. The bottom (output of the cables) should be placed on the terminal of the battery side. In this configuration, you have to set on the ID of the Wi-iQ '(-) cable'.
4. Using cable ties, secure the Wi-iQ device to the cable. Mount in a position that will allow all connections to be made easily and allows viewing the end of the device where the LED is located.
5. Reinstall the negative connector pin in the battery connector and connect the black wire from the Wi-iQ device to the negative terminal of the battery (**Voltage tap supplied has to be used**).
6. Connect the red wire from the Wi-iQ device to the positive terminal of the battery. **Voltage tap supplied has to be used.** At this time a LED of the Wi-iQ should flash after 10s to indicate power ON.
7. Connect the grey wire from the Wi-iQ (**Voltage tap supplied has to be used**) on to the center cell of the battery negative terminal. For instance, on a 12 cells battery, the grey wire should be connected to the negative terminal of the 7th cell from the negative terminal of the battery (be careful to not exceed 20th cell).
8. Insert the thermal probe at a cell intersection close to the center of the battery.
9. (If equipped of level probe) Tap an 8mm hole in a cell cover where you connected the grey wire. The hole should be located to provide the probe with access to the electrolyte inside. The probe does not have to touch any part inside the cell.

For more details, please contact your local EnerSys representative.

Use conditions

1. The Wi-iQ is a battery controller expected to be mounted on an industrial battery.
2. The assembly has to be made on an open voltage battery in a non-confined place.
3. Input Voltage range : [15Vdc ; 120Vdc]
4. Current measurement range : [-500A ; +500A]
5. Temperature range : [0 ; 70°C]
6. Altitude < 2000m, Pollution level protection : 3 (dusty environment)
7. Measurement level : I (measures unconnected to network), do not use in level II,III,IV
8. Technical support : Refer to our website : www.enersys.com to find your local contact.
9. Federal Communications Commission (FCC) :

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION. IN ACCORDANCE WITH FCC REQUIREMENTS, CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY ENERSYS COULD VOID THE USER'S AUTHORITY TO OPERATE THIS PRODUCT.