

Electrolyser EL 2.0


Quick Start Guide

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|---|--|---|
|  For indoor, well ventilated use only |  For humid environments additional IP68 protection is needed |  Regularly check all parts for damage |
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Status LEDs indications

Blinking slow 1x per second, medium 2x per second, fast 4x per second.

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|--------------------------|--|
| Power on | All lights are blinking medium |
| Steady | Green is on |
| Stand by | Green is blinking medium |
| Ramp up | Green is blinking fast |
| Ramp down | Green is blinking slow |
| Heating | Green and yellow are blinking medium |
| Error | Red is on |
| Error - Heater | Red is on and green is blinking medium |
| Error - Water | Red is on, green is blinking medium, yellow is slow |
| Error - High Temp | Red is on, green is blinking medium, yellow is medium |
| Error - Low Temp | Red is on, green is blinking medium, yellow is fast |
| Error - Other | Red is on, green is blinking fast, yellow is blinking fast |

 **More info about Enapter devices on <https://handbook.enapter.com>**

For support write to support@enapter.com

 **A valid safety concept must be in place. Usually this involves sufficient ventilation and/or hydrogen detection systems at the installation site. For more details, please consult the user manual or contact Enapter.**

1


Connect to Energy Management System


Install Enapter app


To download the app scan QR-code with your phone or visit app.enapter.com.


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1.1. Make sure all pipes and wires are connected and switch the power on

 The Enapter EL 2.0 operation manual must be followed on electrical and piping connections, operation, transportation, storage and disposal steps.

 Switch the power on.

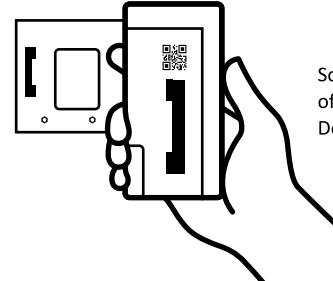
 **Always check oxygen ventilation line for clogs and damages. Never connect purge line with oxygen ventilation line.**

 **Caution: Electrical shocks from 200-240 Vac can be lethal!**

 **All works on assembly and installation should be performed only with a disconnected power supply!**

1.2. Follow Enapter app instructions to connect device





- Open Enapter app and create an account.
- Create site and press add device button.

 Scan QR-code located on the front side of electrolyser. If you can't scan, enter Device ID and PIN manually.


2

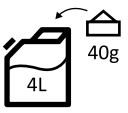
EL 2.0 the First Refilling

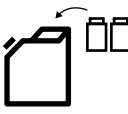
Prepare a few things:

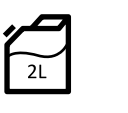
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|--|--|---|---|
|  Clean plastic vessels 4L and 2L |  Demineralized water |  Rigid tube 1m length |  Ingredients for electrolyte solution |
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2.1. Prepare the electrolyte solution (if you don't have the electrolyte solution ready-made)




 **To avoid any contact with eyes and skin wear nitril gloves and safety glasses. Handle in accordance with good industrial hygiene and safety practice and wear appropriate P.P.E. as specified by the KOH's Material Safety Data Sheet.**

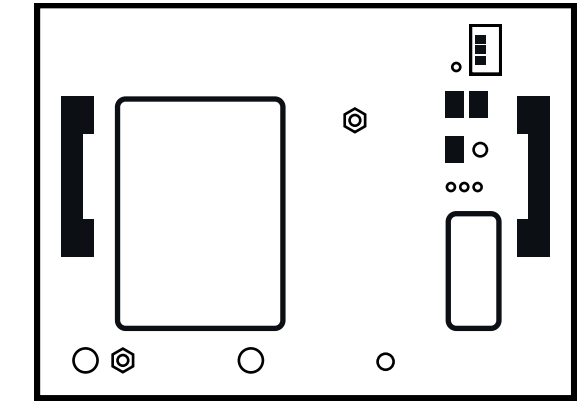
A  40g
If device supplied with KOH chemical powder, take clean container and fill with 4L of demineralized water then dissolve 40g of KOH pellets in the water.

B 
In case when device supplied with diluted substance, pour the total content of the supplied jars into a dedicated vessel.


In a separate container, prepare a 2 liters of demineralized water, this is used to top up the solution in case more water is needed.




2.3. Refilling

-  Press the Start/Stop button and continue to apply pressure to it.
-  Continue to hold the Start/Stop button down, start supplying power to the EL 2.0.
-  Release the button, then the water starts being pumped into the module. The process will stop automatically when the water reaches maximum level.



- H1.1 H2 Output 1/4" stainless steel pipe Swagelok connector
- H1.2 Purge 1/4" stainless steel pipe Swagelok connector
- W1.1 Vent JG push fit 10mm pipe
- W1.2 Water Refill JG push fit 8mm pipe
- W1.3 Drain JG 6mm quick coupler connector

2.2. Prepare electrolyser

-  Switch the power off.
-  Disconnect the pipe W1.2 from the port W1.2.
-  Insert one end of the rigid tubing into the water refilling port W1.2 and the other end into the external vessel.

2.4. Monitor device activity in Enapter app

