

[Manuals.plus](#) /

› [Astralpool](#) /

› Astralpool ENERGY CONNECT Scalable 7 g/h Salt Electrolyzer User Manual

Astralpool Scalable 7 g/h

Astralpool ENERGY CONNECT Scalable 7 g/h Salt Electrolyzer User Manual

Model: Scalable 7 g/h | Brand: Astralpool

1. INTRODUCTION

Welcome to your Astralpool ENERGY CONNECT Salt Electrolyzer. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before installation and use to ensure optimal performance and longevity of the product.

2. SAFETY INFORMATION

Always follow these safety guidelines to prevent injury, property damage, or malfunction of the device.

- Ensure the power supply is disconnected before performing any installation, maintenance, or inspection tasks.
- The device operates with electricity and water; exercise extreme caution to avoid electrical shock.
- The minimum water temperature for safe operation is 5°C (41°F), and the maximum is 40°C (104°F). Operating outside this range may damage the unit.
- Maintain a minimum salt level of 4g/L (4000 ppm) in the pool water. Insufficient salt levels can reduce chlorine production and damage the cell.
- In case of an 'Alarm' signal on the unit, refer immediately to the troubleshooting section of this manual.

3. PACKAGE CONTENTS

Please verify that all components are present and undamaged in the package before proceeding with installation.

- Astralpool ENERGY CONNECT Salt Electrolyzer Unit
- Compact and translucent cell with high-quality titanium plates
- User Manual (this document)
- *(Optional)* Flow sensor (if purchased separately or as part of a kit)

- (Optional) pH and ORP kit (for scalable versions, if purchased separately)

4. SETUP

4.1. Installation

The ENERGY CONNECT unit is designed for flexible and easy installation.

- The electrolytic cell can be installed either vertically or horizontally in the pool's filtration circuit.
- Ensure proper electrical connection to a 220-240 V/50 Hz power supply. Consult a qualified electrician if unsure.
- If an optional flow sensor is available, install it according to its specific instructions to enable flow detection and enhance safety.

4.2. Initial Salt Level

Before starting the electrolyzer, it is crucial to ensure the pool water has the correct salt concentration. The minimum required salt level is 4g/L. Use a reliable pool water testing kit to measure the current salinity. Add pool-grade salt as necessary to reach the recommended level.

4.3. Connectivity

The unit features integrated Bluetooth and WiFi connectivity for remote control and monitoring. Download the Fluidra Pool application from your device's app store to connect and manage your electrolyzer.



Image: The main unit of the Astralpool ENERGY CONNECT Salt Electrolyzer, showcasing its compact design and user-friendly control panel.

5. OPERATING INSTRUCTIONS

5.1. User Interface

The device features a large user interface on a black panel, complemented by a blue information circle and responsive tactile buttons. This interface allows for direct control and monitoring of the unit's status.

5.2. Chlorine Production

The ENERGY CONNECT unit generates chlorine from the salt in your pool water. The production rate for the Scalable 7 g/h model is 7 grams per hour. Adjust the operating time based on your pool's volume and chlorine demand.

5.3. Polarity Inversion

The device includes an automatic polarity inversion function. This process reverses the electrical current to the cell plates, effectively cleaning them of scale buildup. The inversion cycle can be set to 2, 3, 4, or 7 hours, with a default setting of 2 hours.

5.4. Remote Control

Utilize the Fluidra Pool application on your smartphone or tablet to monitor and control the electrolyzer remotely. This includes adjusting settings, checking status, and receiving alerts via Bluetooth or WiFi connectivity.

6. MAINTENANCE

6.1. Cell Cleaning

The automatic polarity inversion feature significantly reduces the need for manual cell cleaning. However, periodically inspect the cell for any visible scale buildup. If necessary, clean the cell according to standard pool equipment cleaning procedures, using a mild acid solution specifically designed for electrolyzer cells, as recommended by a pool professional.

6.2. Water Temperature

Regularly monitor the pool water temperature to ensure it remains within the operational range of 5°C to 40°C. Operating outside this range can stress the cell and reduce its lifespan.

6.3. Salt Level Monitoring

Regularly check the pool's salt level using a test kit or the device's salinity reading function to ensure it remains above the minimum requirement of 4g/L. Replenish salt as needed to maintain optimal chlorine production.

6.4. Cell Lifespan

The electrolytic cell has an estimated lifespan of 8,000 hours under good operating conditions. Adhering to regular maintenance, maintaining proper water chemistry, and operating within specified temperature and salt ranges will help maximize its operational life.

7. TROUBLESHOOTING

7.1. Alarm Signals

The device provides an 'Alarm' signal to indicate incorrect working conditions. Identify the cause based on the specific alarm displayed or indicated.

- **No Flow:** If an optional flow sensor is installed, an alarm may indicate insufficient water flow through the cell. Check the pool pump and filtration system for blockages or malfunctions.
- **Low Salt Level:** An alarm can indicate that the salt level in the pool water is below the minimum required 4g/L. Test the water and add pool-grade salt as needed.
- **High Water Temperature:** The integrated water temperature sensor protects the electrode in case of adverse operating conditions. If the water temperature exceeds 40°C, the unit may alarm or shut down to prevent damage. Allow the water to cool.

7.2. Connectivity Issues

If you experience issues with Bluetooth or WiFi connectivity via the Fluidra Pool app, ensure your mobile device is within range of the electrolyzer and that the Fluidra Pool app is updated to the latest version. Check your home network for WiFi issues.

8. SPECIFICATIONS

Feature	Detail
Model	Scalable 7 g/h

Feature	Detail
Chlorine Production	7 g/hour
Recommended Pool Volume	30 m ³
Cell Position	Vertical and Horizontal
Polarity Inversion	Yes (2, 3, 4, or 7 hours; default 2 hours)
Minimum Salt Level Required	4 g/L
Power Supply	220-240 V/50 Hz
Cell Lifespan	8,000 hours (under good operating conditions)
Minimum Water Temperature	5°C
Maximum Water Temperature	40°C
Safety Features	'Alarm' signal, optional gas sensor (flowmeter), water temperature sensor, salinity reading
Product Dimensions (L x W x H)	100 x 100 x 100 cm
Item Weight	10 Kilograms
ASIN	B0DKFX5LLB
Part Number	FLU76769

9. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Astralpool website or contact your authorized dealer. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims. Online resources, frequently asked questions (FAQs), and additional support materials may be available on the Astralpool support portal.

For further assistance, please visit www.astralpool.com.