



I. Product Information Item Specification

Product Name	Solar Pool Copper Ionizer
Product Type	Floating Solar Copper Ionization Device
Working Principle	Solar Powered Copper Ionization
Installation Method	Floating Type
Application Scenarios	Home Pools / SPA / Landscape Pools

II. Solar Panel Specifications Item Specification

Solar Panel Type	Monocrystalline Solar Panel
Solar Panel Size	Ø150 mm
Operating Voltage	6.0 V
Operating Current	0.32 A
Peak Power	≈1.92 W
Output Type	DC Output
Operating Mode	Automatic Operation Under Direct Sunlight
Sunlight Exposure Time	6 Hours Direct Sunlight

III. Electrolysis System Specifications Item Specification

Copper Electrode	Material High Purity Copper
Copper Rod Size	Ø20 × 80 mm
Copper Rod Quantity	1 pcs
Cathode Material	304 Stainless Steel
Cathode Structure	Spring Structure

Cathode Quantity	1 pcs
Electrolysis Method	Low Voltage DC Electrolysis
Copper Ion Release Rate Approx	1100–1800 mg/day
Recommended Copper Ion Concentration	0.2–0.4 ppm
Cathode / Anode Replacement Cycle	6 Months

IV. Product Functions

Item	Specification
Main Function	Helps Prevent Algae Growth
Auxiliary Function	Reduces Chlorine Usage
Working Method	Automatic Operation
Waterproof Rating	IPX7
External Power Supply	None
Chemical Additives	None

V. Recommended Water Conditions Item Recommended Range

pH	7.2–7.6
Water Temperature	15–35°C
Salinity	0–4000 ppm
Free Chlorine	0.5–2 ppm

VI. Recommended Pool Size Pool Volume Recommendation

≤10 m ³	Limit usage time to avoid elevated copper ion levels
10–40 m ³	Recommended
>40 m ³	Use Multiple Units

VII. Product Features

• Solar Powered Operation
• Floating Design
• Helps Prevent Algae Growth
• Helps Reduce Chlorine Usage
• Low Maintenance
• Easy Installation

- Suitable for Pools and Landscape Pools

VIII. Notes

- Regularly test pool pH and copper ion levels using test strips, Over-Concentration Warning Remove the Ionizer if Copper Ion Level Exceeds Recommended Range
 - For best results, use together with a small amount of chlorine.
- Copper electrodes are consumable parts and should be replaced periodically according to usage conditions.
- Remove and clean the unit if not used for a long period.