



I. Product Information

Item	Specification
Product Name	Solar Pool Salt Chlorinator
Product Type	Floating Solar Salt Chlorination Device
Working Principle	Solar Powered Low-Voltage Saltwater Electrolysis
Installation Method	Floating Type
Waterproof Rating	IPX7
Application Scenarios	Home Pools / SPA / Landscape Pools

II. Solar Power Supply System

Item	Specification
Solar Panel Operating Voltage	6.0 V
Solar Panel Operating Current	0.52A
Solar Panel Peak Power	≈3.1 W
Charging Method	Automatic Solar Charging Under Direct Sunlight
Sunlight Exposure Time	6 Hours Direct Sunlight
Operating Mode	Daytime Charging / Full-Time Circulation Operation

III. Battery System Specifications

Item	Specification
Battery Type	Lithium polymer battery pack - 21700

Battery Capacity	9000 mAh
Operating Voltage	3.7 V
Protection Functions	Overcharge / Over-discharge / Short Circuit Protection
Charging Method	Solar Charging / DC 9V Charging
Operating Method	24-Hour Low Power Circulation Operation

IV. Electrolysis System Specifications

Item	Specification
Electrolysis Method	Low-Voltage Saltwater Electrolysis
Total Anode Area	22.2cm ²
Total Cathode Area	22.2cm ²
Anode Quantity	1 pcs
Cathode Quantity	2 pcs
Electrode Structure	Separated Anode & Cathode Structure
Working Status	Continuous Slow Release of Active Chlorine

V. Operating Modes

Mode	Daily Chlorine Output
ECO MODE	≈4.5g/day
NORMAL MODE	≈6g/day
BOOST MODE	≈7.5g/day

VI. Recommended Water Conditions

Item	Recommended Range
Salinity	3500-4000 ppm
pH	7.2-7.6
Water Temperature	25-30°C
Total Alkalinity	80-120 ppm
Calcium Hardness	150-400 ppm
CYA Stabilizer	50-70 ppm
Free Chlorine	0-0.5 ppm

VII. Recommended Pool Size	
Pool Volume	Recommendation
5-10 m³	The best possible experience
10-15 m³	Assist in maintaining
>20 m³	Use Multiple Units
VIII. Product Features	
Solar Powered Operation	
Floating Design	
Low-Power Salt Chlorination	
Helps Reduce Chlorine Usage	
24-Hour Automatic Operation	
Multiple Chlorination Mode Selection	
Low Maintenance	