



# GREEN PLANET 12VDC WATERMAKERS



## SEAWATER DESALINATION SYSTEM BASE ON REVERSE OSMOSIS PRINCIPLE

Make fresh water directly from the sea,  
bore, ground or pond, river or any natural  
water source at your remote resort or village

**24 hours running  
no heat**

### Electrical Specifications:



型号 model	产水流量 capacity	膜配置 membrane	功率 HP power	12V 电流 12V current	产水量 fresh output
IMD200L-DC	200LPD	2521 x 1	550W	80A	8LPH
IMD500L-DC	500LPD	2540 x 1	750W	100A	25LPH
IMD1000L-DC	1000LPD	2540 x 1	1.1KW	150A	50LPH
IMD2000L-DC	2000LPD	2540 x 2	1.5KW	200A	100LPH

### Transportation Specifications:



型号 model	产水流量 capacity	电源选择 Power selection	包装尺寸 Package size (cm)	净重约 Net weight (kg)	毛重 Gross weight (kg)	产品尺寸 Product size ( cm)
IMD200L-DC	200LPD	12/24/48	84 x 55 x 40	45	65	membrane block: 69x18x15; electrical box: 30x30x18; pump group: 45x25x21; Meter Panel: 25x15x15; prefilter:23x13x34
IMD500L-DC	500LPD	12/24/48	124 x55 x 40	57	77	membrane block: 122x18x15; electrical box: 30x30x18; pump group: 49x31x25; Meter Panel: 25x15x15; prefilter:23x13x34
IMD1000L-DC	1000LPD	12/24/48	124 x55 x 40	63	83	membrane block: 122x18x15; electrical box: 30x30x18; pump group: 49x31x25; Meter Panel: 25x15x15; prefilter:23x13x34
IMD2000L-DC	2000LPD	12/24/48	124 x 63 x 40	78	98	membrane block: 122x33x18; electrical box: 40x30x20; pump group: 49x25x23; Meter Panel: 25x15x15; prefilter:23x13x34

## < Performance & Pretreatment >



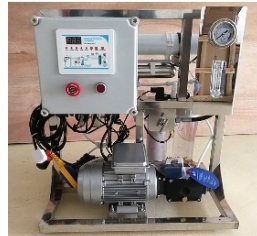
*Working pressure : 50-65 bar ;*

*Feeding water Salinity ( TDS ): <35000 ppm ;*

*Output water Salinity ( TDS ): < 1000 ppm for 1<sup>st</sup> Stage ( standard config )  
< 200 ppm for 2 stages. ( not standard config )*

*Pretreatment: 5 micron & 0.5 micron ;*

## < Selection Guide >



The user need to know some basic installation facts at the running site before selecting the models, the conditions might affect your expense greatly if you know more about the water and the space.

1. *The raw water TDS (total dissolved solid by ppm, or salinity by %)?*
2. *Installation Space, size allowed, how many rooms available?*
3. *Power voltage, DC or AC, the max current range you can use?*
4. *Do you need a modular unit or a whole plant with frame?*
5. *Do you need output water as drinking water or living water? Or both? How much flow are they?*

## < Normal Running Steps >

- 1> *Make sure the pipeline and the main wet parts are full of water, and you can see the raw water Running out from the brine outlet*
- 2> *Make sure the HP pump crank carry at least half crank of proper Oil*
- 3> *Start the pumps and adjust the pressure and flow to a proper position.*

## < Maintenance Method >

- 1> *Use NaoH 1% to make alkaline flushing ; Use Citric acid 0.5% to make acid flushing; Use 5% NaHSO<sub>3</sub> to preserve the membrane;*
- 2> *Replace the profiler cartridges in a regular time;*
- 3> *Flushing the membrane by enough fresh water after the pumps stop;*

\*\*\* some advice for boat owners or marinas \*\*\*



If you are budgeting a new boat, and you do need a solar PV system on the boat, select the voltage 48VDC from the beginning, this will save quite a lot of labor and cost to a good water maker from us.

**ENJOY YOUR TRIP !**