

PRODUCTS PRESENTATION

Floating pontoon

Product introduction

Pontoons of solar water floating plant are made of main pontoons, passage pontoons, connecting pontoons, structure pontoons, connecting bolt, support, etc, as shown in the figure. All parts of the floating pontoons have been patented, and the materials used are special formulations, which have anti-aging, corrosion resistance and recyclable characteristics. The service life is longer than that of the conventional floating platform, up to more than 25 years.



• structure of water floating platform

Product features

1. high bearing capacity, the buoyancy of each square meter is more than 280KG
2. using high density polyethylene material and formulation of new environmental protection technology, unique add TiO₂, SiO₂, ZnO and other nano composite technology, which make it rich enough toughness and hardness, corrosion resistance, antifreeze, anti-aging, anti ultraviolet radiation, chemicals, chemicals, water and oil water biological erosion, life of up to 25 year.
3. The new environmental protection materials have no pollution and no damage to the environment
4. The whole floating pontoon is formed once, the whole module structure is adopted, and it is easy to organize, fast and flexible in combination.
5. The cost and time of maintenance and replacement can be saved from a long-term point of view.
6. The material uses a unique concave structure to minimize the impact of wind and waves. A non-slip surface pattern design, safety and stability, all around to avoid the risk of arc obtuse angle shape, the common cement, wood, iron facilities.
7. As a whole, the floating pontoon is flexible connected, and the water surface surge capacity is strong, and the fatigue damage of the connecting lug is reduced to a minimum.

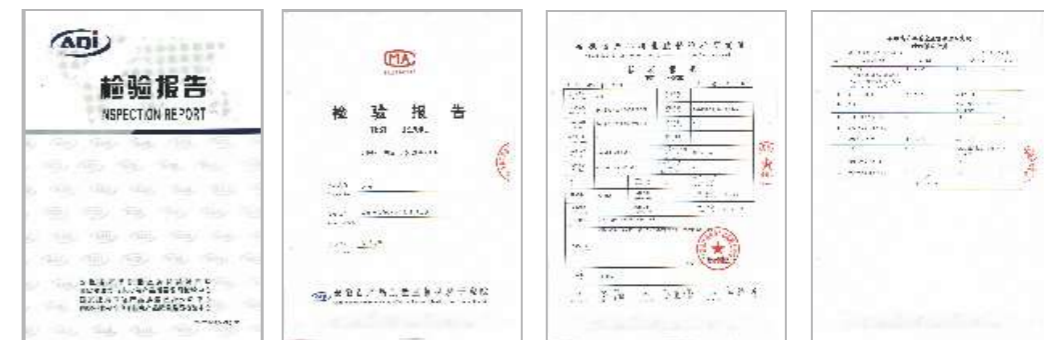
Test report



• environment test report



• Fire retardant detection report



• Test report on UV anti-aging test



• UV anti-aging test (1000h) and mechanical strength test report

Technical Parameters

Classification	Parameters
Main floating pontoon Size	1099mm*928mm*340mm ± 3mm
Passage floating pontoon Size	931mm*530mm*209mm ± 3mm
Connection floating pontoon Size	1235mm*530mm*209mm ± 3mm
Structure floating pontoon Size	1098mm*928mm*224mm ± 3mm
Suitable solar panel	Normal 60Cells/72Cells crystalline pv panels
Main floating pontoon weight	8.0kg ± 0.2kg
Passage floating pontoon weight	4.5kg ± 0.2kg
Connection floating pontoon weight	6.1kg ± 0.2kg
Structure floating pontoon weight	8.2kg ± 0.2kg
Floating platform wave grade: Grade	11
Carrying capacity	280kg/m ²
Material	HDPE+6 kinds of additives
Standard	Q/JN 02-2016

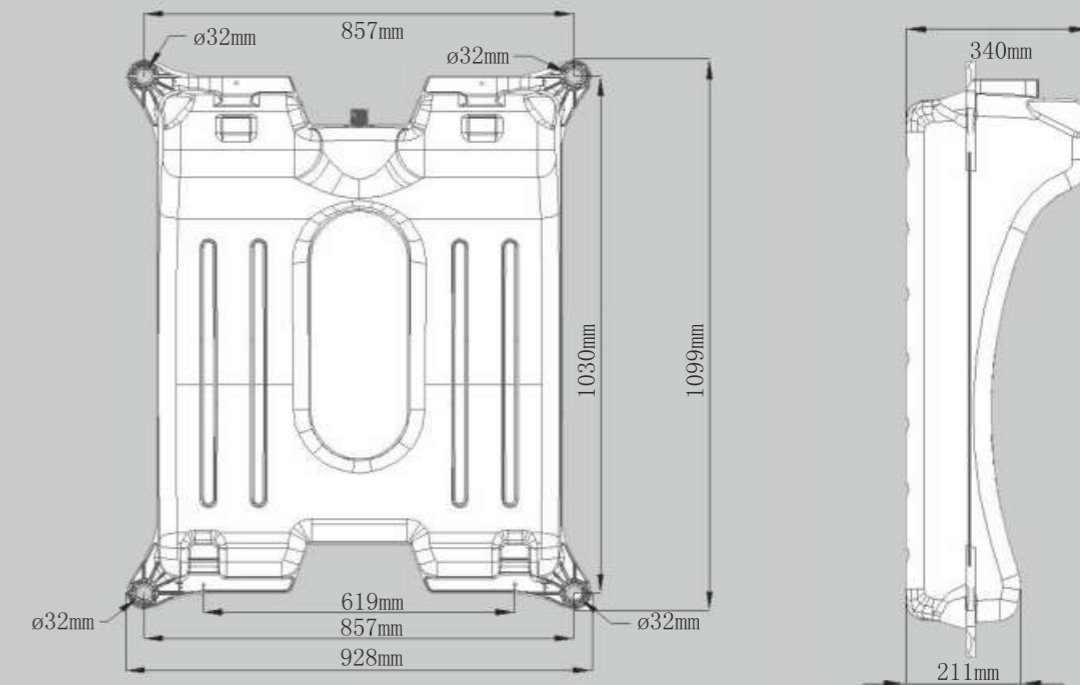
Comparison of support modes

Project	HDPE Floating pontoon	Solar floating+ steel structure
Main structure	Main pontoons+ subsidiary pontoons	Floating pontoons+ Steel structure
Main material	HDPE	HDPE+ hot-dip galvanized steel+ stainless steel
Structure weight	Lighter 71953.09kg/MW	Heavier 20261kg/MW
Installation angle	smaller 12 degree	bigger , best angle design
Wind load	smaller (smaller angle+ smaller force)	bigger(easy to move, pull chain force bigger)
Occupied area	smaller(flat arrangement, small gap)	bigger(big PV gap, wide passageway)
Machining difficulty	machining one material	machining several materials
Usage Lifespan	depend on pontoons material	Depend on pontoons material
Installation difficulty	Easy to install	more procedures
Unit cost	higher	lower

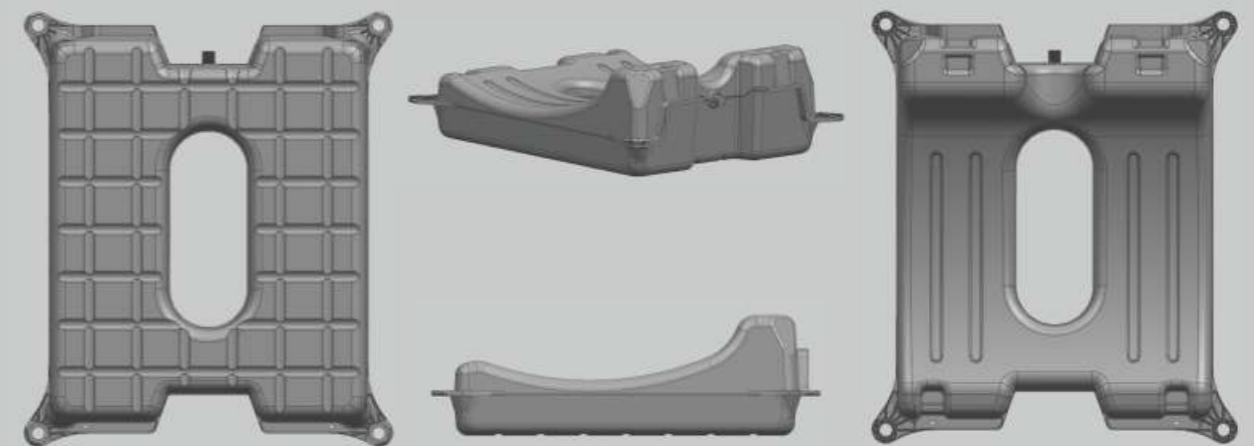
Floating pontoons structure

◆ Main pontoons

Main pontoons size as shown in the figure. Main pontoons installation angle : 12 degree。 Main pontoons specific shape: As shown in the figure Main pontoons net weight: About 8.0KG



● Main pontoons outline dimensional drawing



● Main pontoons shape diagrammatic