



Xiamen **Sto** Energy

Solar Floating Mounting

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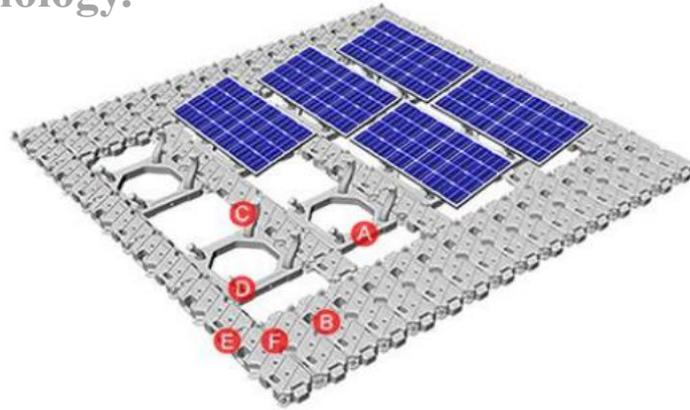
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COMPANY OVERVIEW

Xiamen Sto Energy, founded in 2009, is a recognized leader in the design and installation of photovoltaic power systems. Floating solar is a new and exciting application of solar PV technology.



This Floating PV Mounting System is applied to solar pv power plant 8 installation on the water. Adopting HDPE material, it has passed the Hunt 7 Water Absorption Test, Anti-Aging Test, Anti-UV Test etc. Moreover, it can bear the pulling force that is much higher than other products. Adopting new module design in floater and main floater, it can realize the array of double row in the same facing or in symmetrical facing, which can increase the efficiency of solar power generation and installation capacity, be easily installed, and save the cost. and its lifetime has more than 25 years.

COMPONENT LIST



Main Floating body
Material HDPE



Aisle Floating body
Material HDPE



Front support
Material HDPE



Rear support
Material HDPE



**Plastic Bolts
and Nuts**
Material HDPE



Pin
Material HDPE

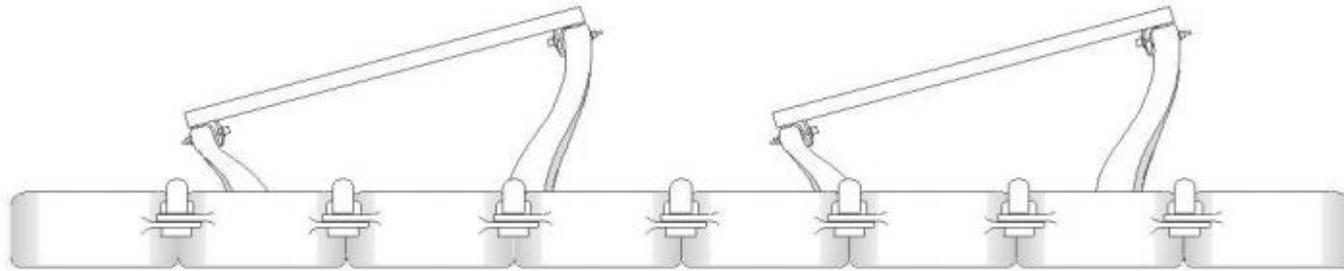


Clamp
Al6005-T5(Anodized)

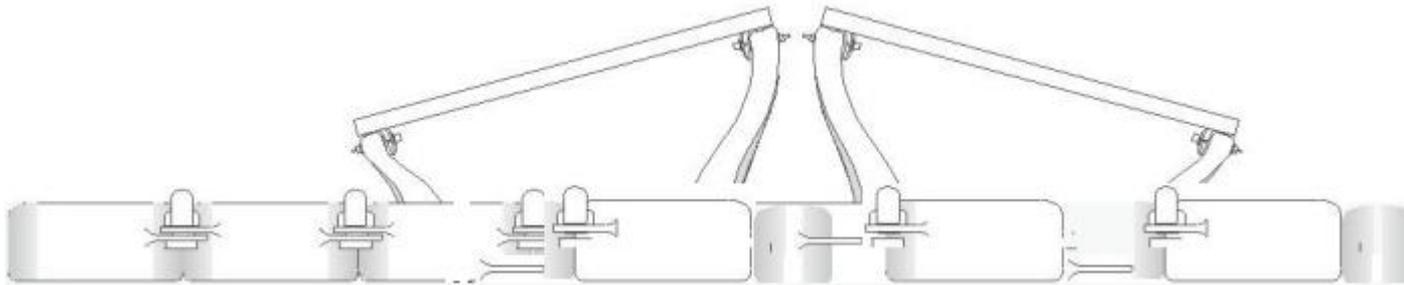


Hexagon Bolt
Zinc-Nickel Alloy
Electroplated Steel

MOUNTING STRUCTURE



Double Row In The Same Facing



Doble Row In Symmetrical Facing

FEATURES

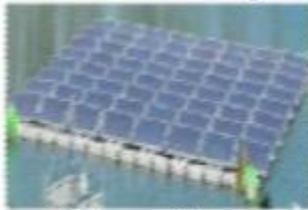
- **Modular design, simple and convenient splice installation ;**
- **Increase the volume of floater to add the buoyant force of floater ;**
- **The floater is made of high density polyethylene, which ensures its long service time ;**
- **Various array design, easier to combine ; Realize symmetrical facing array, increase the installation capacity, maximize the efficiency of power generation ;**
- **Compatible with various solar module, save the cost ;**
- **Strong weather ability, easy to operation and maintenance.**



TECHNICAL PARAMETER

Product Name	Floating PV Mounting System	Module Type	Frame or Double Glass
Installation Site	<ul style="list-style-type: none"> - Industrial water ponds - Quarry/mine lakes - Irrigation reservoirs - Desalinization reservoirs - Water treatment sites - Drinking water surfaces - Aquaculture Farms - Dams / Canals - Retention ponds 	Panel Orientation	Landscape, Double Row In The Same/ Symmetrical Facing
Material	HDPE	Fastener	Zinc-Nickel Alloy Electroplated Steel & HDPE
Tilt Angle	10-15° Or according to customer requirements	Color	Gray or Customized
Snow Load	1KN/m ²	Bearing Weight	Main floater70KG/m ² , Channel155KG/m ²
Wind Load	51m/s	Water Surface Clearance	330-350mm

FLOATING MOUNTINGGF- Cost-Effectiveness and Increased Yield



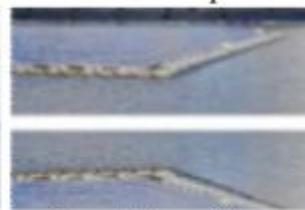
Piolenc, France,
14 kWp



Cheogji, South
Korea 20 kWp



Lotus Project, Italy,
20 kWp



Covehithe village,
UK, 100 kWp



Ulu Sepri, Malaysia,
270 kWp



Kasai city, Japan
2313 kWp



Takaoka city, Japan
2870 kWp



Matsusaka city,
Japan, 2398 kWp



Hyogo prefecture,
Japan ,1751 kWp



Wargrave, UK
201 kWp



Pond in Sudbury,
Canada, 0.5 kWp



Bishan Park,
Singapore 5 kWp



Vendée, France
4 kWp

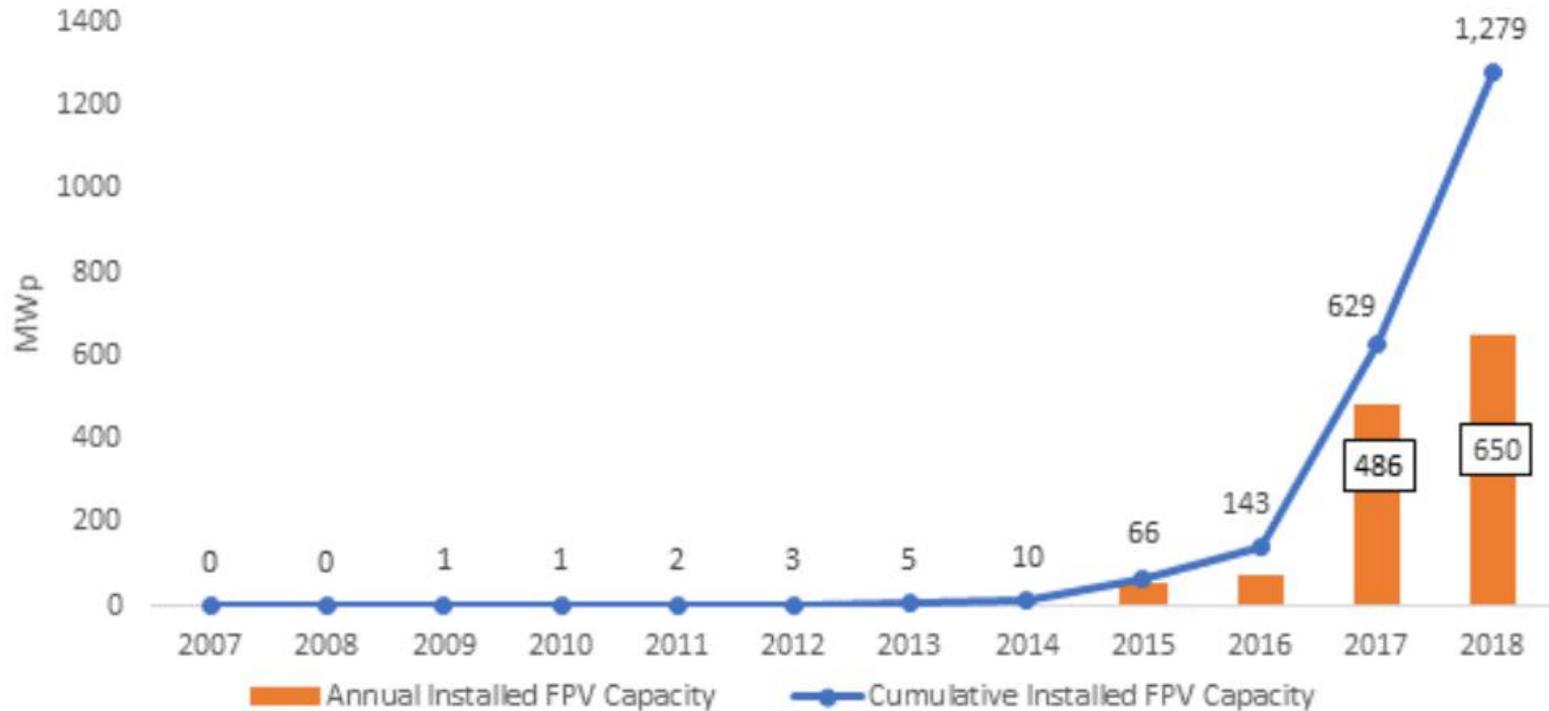


Kolkata, India
10 kWp



South Korea,
465 kWp

Below figures represent installed FPV projects of 2 MW+

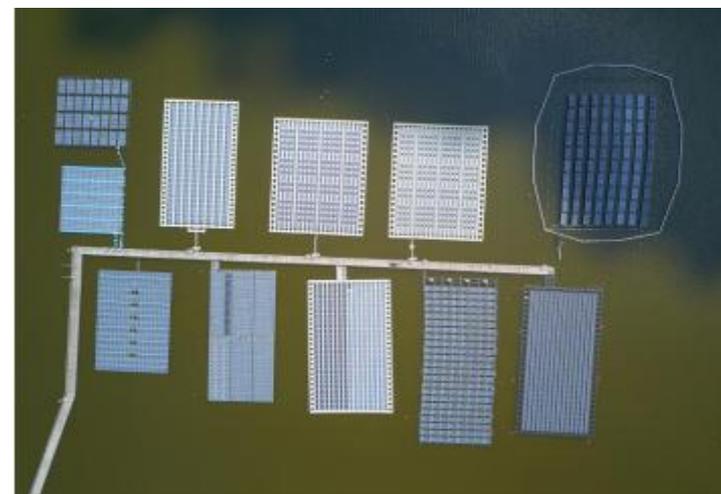


6.3 MW floating solar farm in London' s Queen Elizabeth II reservoir

Application: power for water treatment works of Thames Water (water provider to London & Thames valley communities)



1 MW floating PV system at Tengeh Reservoir, Singapore





3MW Thailand



13.4 MW Tokyo, Japan



3MW China



2.8MW Manchester, UK



2MW Geumjeon, Korea



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