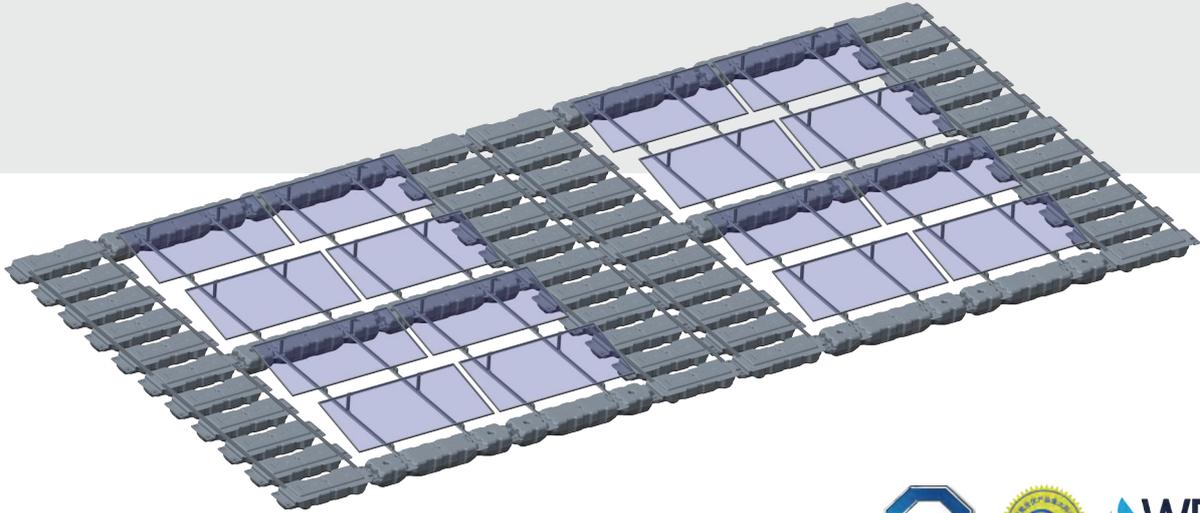


SGF-TS30

SUNGROW FPV SYSTEM SOLUTION

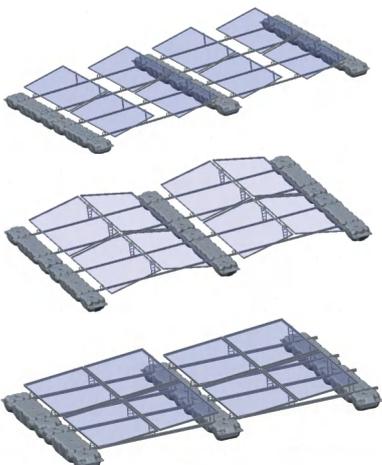


SYSTEM OVERVIEW

SGF-TS30 FLOATING SYSTEM is applied to the construction of water surface photovoltaic power station. The floating material is modified high density polyethylene (HDPE); In line with a number of domestic and foreign anti-aging, anti-UV and drinking water materials standards; The stability of the system has been verified by a large number of projects, and the design level is far beyond the industry peers. The system adopts high stability, modular design, easy installation and high reliability ; We can provide a variety of power station arrangement forms, taking into account both power generation efficiency and system capacity .

Tilt: 5~15°	Size of Panels: 2500×1350
Orientation of System: S-N/E-W	Minimum Distance From Water : 200mm~250mm
Designed Life: 25 Years	Quality Assurance: 5 Years

SYSTEM INFRASTRUCTURE & ADVANTAGES



- 01 High component adaptability, suitable for mainstream components in the market
- 02 High degree of standardization of parts and components, improve construction efficiency
- 03 The minimum water cover rate is 20.6%, which reduces the ecological impact
- 04 The system layout design is rich, and the layout of the power station is designed according to the demand
- 05 Higher carrying capacity of system, and the floating body can carry up to 196kg/m²
- 06 Customized O&M channels provide more stable and secure operation and maintenance methods

SYSTEM ACCESSORIES



Walkway Float



Maintenance Float



Bolt-Nut



Bracket Assembly



Supporting Structure



Gasket

TECHNICAL PARAMETERS

Product	SGF-TS30 FLOATING SYSTEM
Field of application	Reservoirs, subsidence areas, lakes, tidal flats, etc
Tilt	5~15°, Option for specific tilt by project-specific design
Wind speed	Average wind speed of 180 to 260km/h, Option for higher wind loads by project-specific design
Snow load	0.25~1.65kN/m ² Option for higher snow loads by project-specific design
Minimum distance from water	200mm~250mm
Channel width of O&M	≥450mm
Size of panels	UP to 2500×1350
Orientation of system	S-N/E-W
Efficiency of construction	6 components/worker/hour (In China)
Risk assessment	Risk assessment for health and safety by DNV
Anchorage length	Up to 100m, Option for deeper and stranding by project-specific design
Direct occupation of water	20.6%
Quality assurance	5 Years, Option for extended warranty
Floating ship platform	Floating ship platform can be provided for customized design
Material of substructure	Steel with a unique, longterm, and environmentally friendly corrosion protection coating and aluminum alloy
Material of floats	HDPE with high UV protection additive
Carrying capacity	157kg/m ² ~196kg/m ²
Design standard	ASCE 7-2016-27/BS EN 1991-4-2005/MS1553-2006

