

YIJIA

Concrete Pole High Elevation Mounting System



Technical Parameters

Installation Site	Ponds, Reservoirs	Design Standard	AS/NZS 1170, DIN 1055, JIS C8955: 2017,
Foundation	Pre-stressed Concrete Pile		International Building Code IBC 2009
Tilt Angle	0-45°		California Building Code CBC 2010
Wind Load	60m/s	Material	Q235B(Hot-Dip Galvanized) & AL6005-T5(Anodized)
Snow Load	1.4KN/m ²	Fastener	Q235B(Hot-Dip Galvanized) & Zinc-Nickel Alloy Electroplated Steel
Groud Clearance	According to project's information	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed or Frameless	Color	Silver or Customized
Panel Layout	Portrait or Landscape	Warranty	10-Year Warranty

Overview

Concrete Pole High Elevation Mounting System is applied to fish Pond, flood area and sandy land solar PV projects. Main components are made of hot-dip galvanized steel, with good performance of structure strength, stability and anti-corrosion, compatible with varied solar modules. Unique piles and structure design save instakktation time and cost.



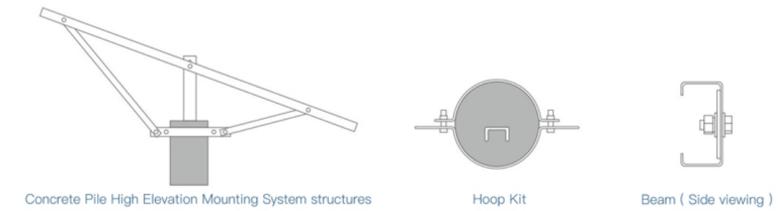
Adbantages

Pre-assembled Components Save Onsite Installation Time
Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

Dual-Use of land or Utiltze Waste Land Improve the Economic Benefit
Install solar projects above the fishpond achieving the dual-use of land to improve the economic benefit. This system can utilize waste land like flood area or sandy area to save land resources.

Quick Modular Kit Fixation
Most of the components are designed as modular kit with anodized aluminum to further ensure easy and fast construction on site

Structure



Componet Details

<p>1</p> <p>Beam Hoop Spec: c100*50*15*L4500 Material: Q235B (Hot-Dip Galvanized)</p>	<p>2</p> <p>Side Beam Hoop Spec: c10*50*15*2*L2800 Material: Q235B (Hot-Dip Galvanized)</p>
<p>3</p> <p>Front/Back Post Components: c10*50*15*2*L2800 Back Support Material: Q235B (Hot-Dip Galvanized)</p>	<p>4</p> <p>Hoop Kit Hoop Spec: 300*5.0*100 Components: Flat Washer M14 Spring Washer M14 Hexagon Socket Head Bolt M12 *65</p>
<p>5</p> <p>End Clamp Kit Components: End clamp Cross Module Spring Washer M8 Hexagon Socket Bolt</p>	<p>6</p> <p>Inter Clamp Kit Components: Inter clamp Cross module Spring washer M8 Hexagon Socket Bolt</p>
<p>7</p> <p>Post Hoop Spec: C100*50*15*2*L557 Components: Flat Washer M16 Spring Washer M16 Hexagon Socket Head Bolt Nut M16 Hexagon Socket Head Bolt M16*50</p>	<p>8</p> <p>Small Connerctor Hoop Spec: 80*40*5*40 Components: Flat Washer M12 Spring Washer M12 Hexagon Socket Head Bolt Nut M12 Hexagon Socket Head Bolt M12*30</p>
<p>9</p> <p>Big Connerctor Hoop Spec: 80*40*5*100 Components: Flat Washer M12 Spring Washer M12 Hexagon Socket Head Bolt Nut M12 Hexagon Socket Head Bolt M12*30</p>	

Installation Guide

<p>1</p> <p>Install concrete pillar based on project solution.</p>	<p>2</p> <p>Install Post and Hook Kit.</p>	<p>3</p> <p>Install Front & Back Support and Inclined Support.</p>	<p>4</p> <p>The installation of Front & Back Support and Inclined Support is done.</p>
<p>5</p> <p>Install beam.</p>	<p>6</p> <p>The installation of beam is done.</p>	<p>7</p> <p>Fix the solar module with Inter Clamp Kit & End Clamp Kit.</p>	<p>8</p> <p>Installation is done.</p>