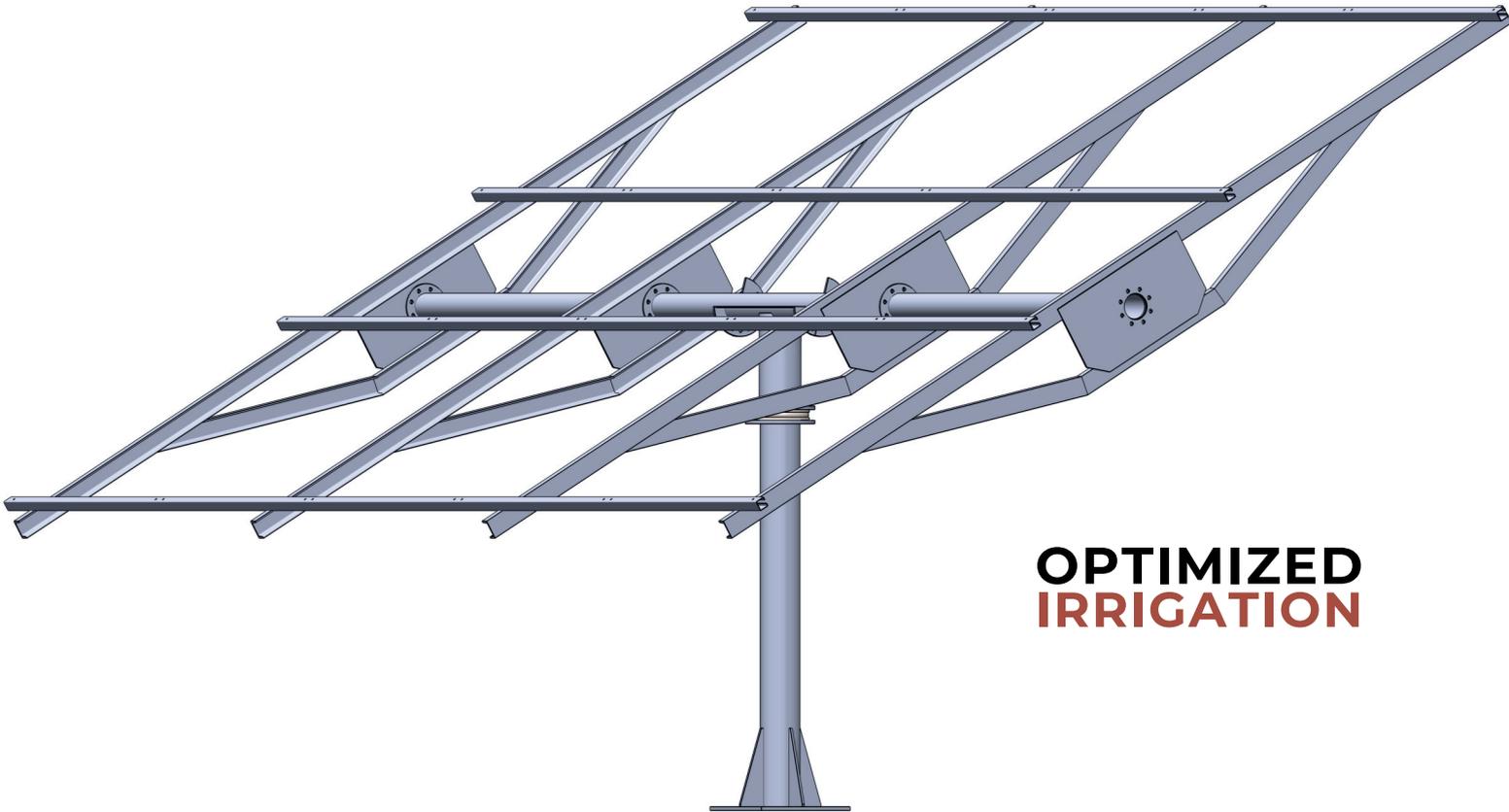




MONO POLE DUAL AXIS TRACKING



**OPTIMIZED
IRRIGATION**

FERO

PRODUCT CATALOG

2025

+92 300 5552320
INFO@GF-ENERGY.COM
WWW.GF-ENERGY.COM
GROUND FLOOR, 55TH AVENUE PLAZA, RAIWIND ROAD, LAHORE

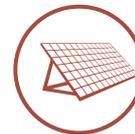
L2 ALUMINIUM

Our flat roof or ground-mounted aluminum L2 structures are designed for projects of all sizes. These durable, lightweight, and corrosion-resistant structures maximize space and ease installation on any flat rooftop. With their modular design, they reduce time and labor costs, offering a cost-effective and reliable solution for both residential and commercial installations. Embrace efficiency and sustainability with our innovative L2 structures.



SPECIFICATIONS

Application	Flat Roof/Ground
Material	Aluminium 6063 T5
Coating	Anodization
Fastner	SS304
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Modular Design



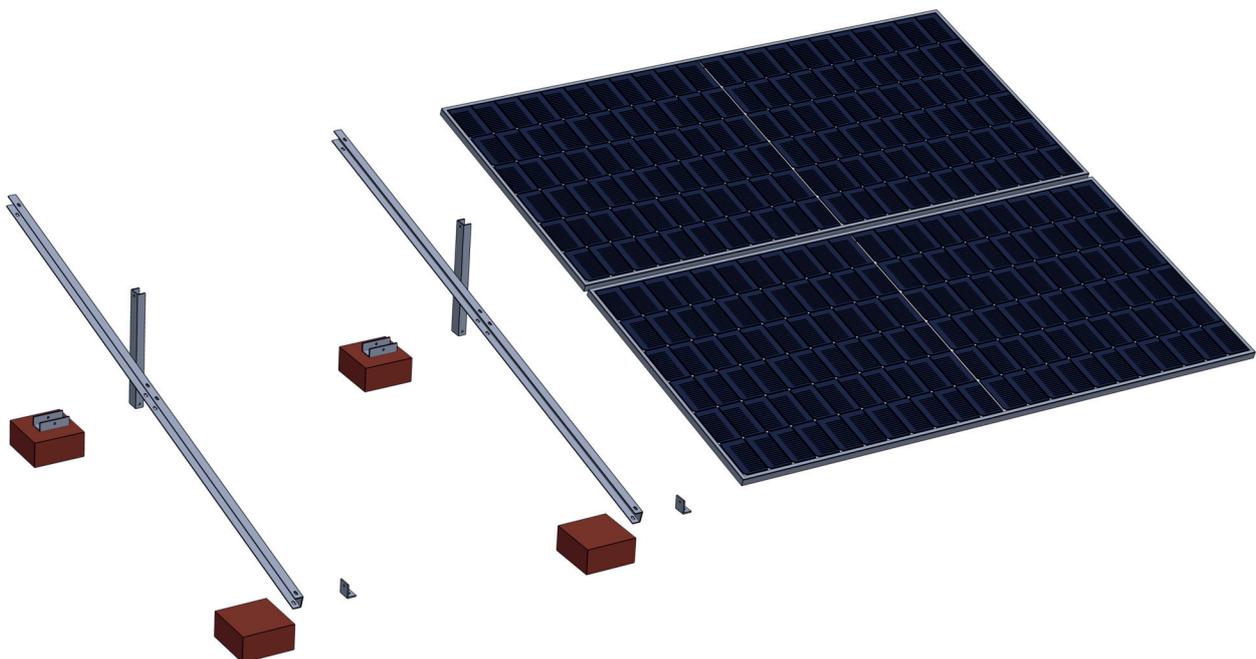
Weather Resistance

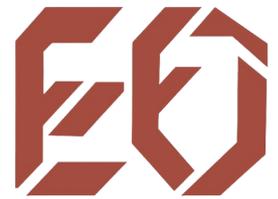


Lightweight Construction



Cost-Effective

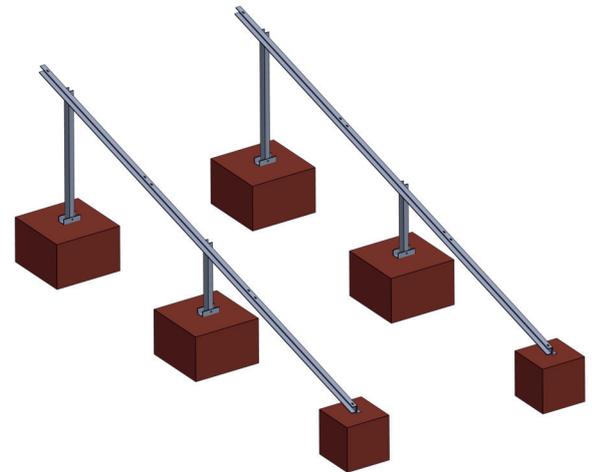




DESIGNED TO ENDURE

L3 ALUMINIUM

Our flat roof or ground-mounted aluminum L3 structures are designed for projects of all sizes. These durable, lightweight, and corrosion-resistant structures maximize space and ease installation on any flat rooftop. With their modular design, they reduce time and labor costs, offering a cost-effective and reliable solution for both residential and commercial installations. Embrace efficiency and sustainability with our innovative L3 structures.



SPECIFICATIONS

Application	Flat Roof/Ground
Material	Aluminium 6063 T5
Coating	Anodization
Fastner	SS304
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Versatile Application



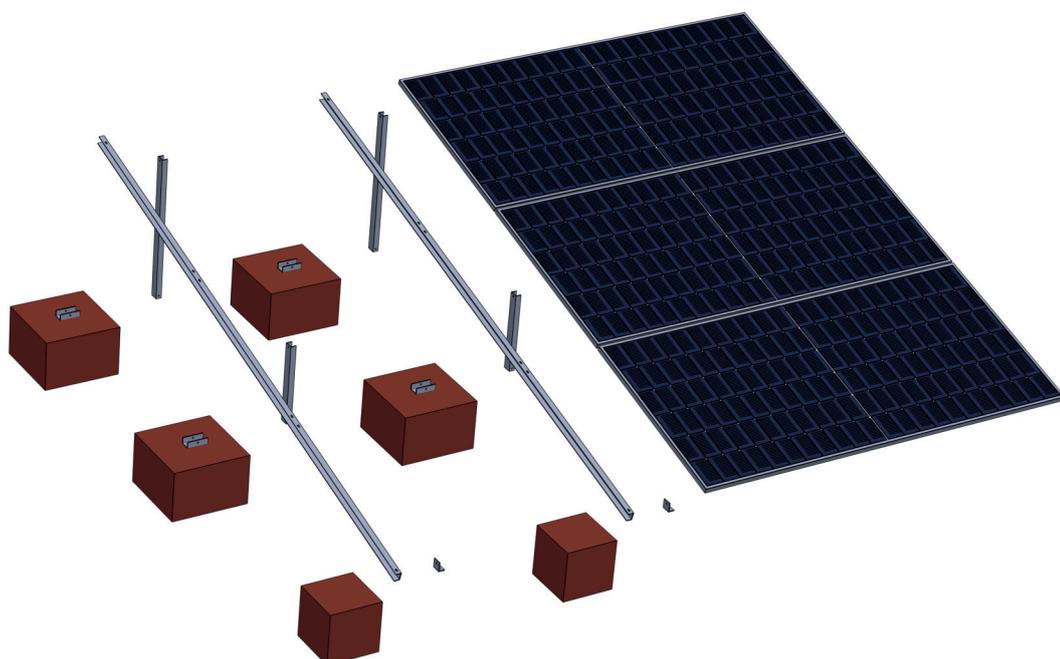
Durable Materials



Space Maximization

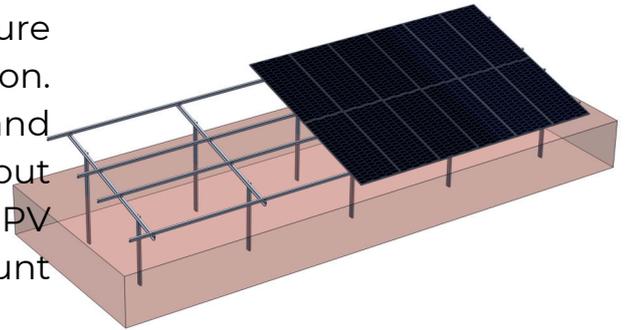


Ease of Maintenance



P2 PILE DRIVEN

Discover the future of PV installation with our Pile Driven Ground Mount Structure. Designed for swift, hassle-free setup, its lightweight ensure effortless handling and adapts to any location. Ideal for projects demanding efficiency and durability, it offers rapid deployment without compromising on quality. Elevate your PV installations with the HDG Ground Mount Structure.



SPECIFICATIONS

Application	Ground
Material	SS400 Iron
Coating	HDG As per ASTM A123
Fastner	HDG for Structure & SS304 for Module
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Site Adaptability



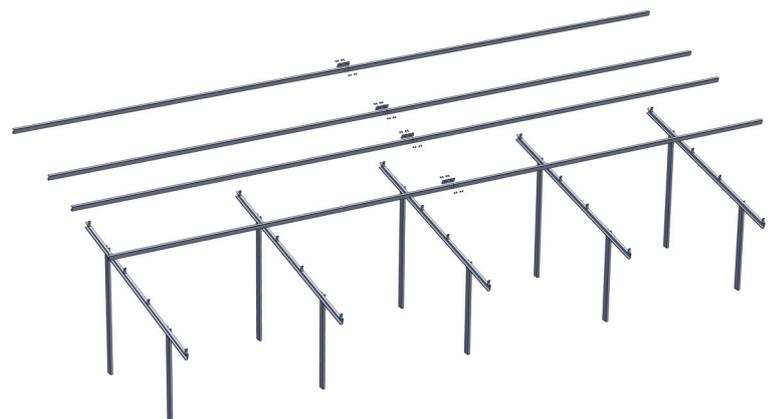
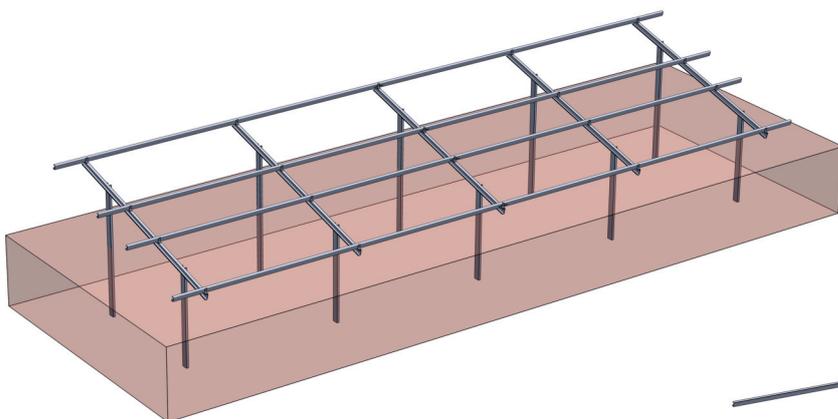
Quick Deployment



Heavy-Duty Build

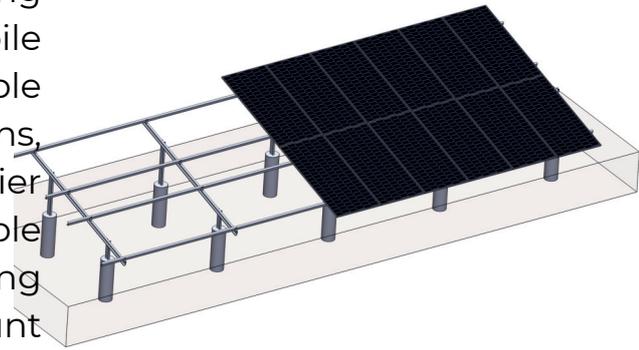


High Load Capacity



P2 CONCRETE PILE

Introducing our Ground Mount Concrete Piling structure, ideal for rocky or sandy soil where pile drivers aren't suitable. This durable, adaptable design accommodates diverse site conditions, ensuring reliable deployment and top-tier performance. Enjoy swift setup and dependable support for solar installations on challenging terrains. Discover the HDG SS400 Ground Mount for a customized solution tailored to your project's needs.



SPECIFICATIONS

Application	Ground with Rocky/Sandy Soil
Material	SS400 Iron
Coating	HDG As per ASTM A123
Fastner	HDG for Structure & SS304 for Module
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Rocky/Sandy Soil Adaptability



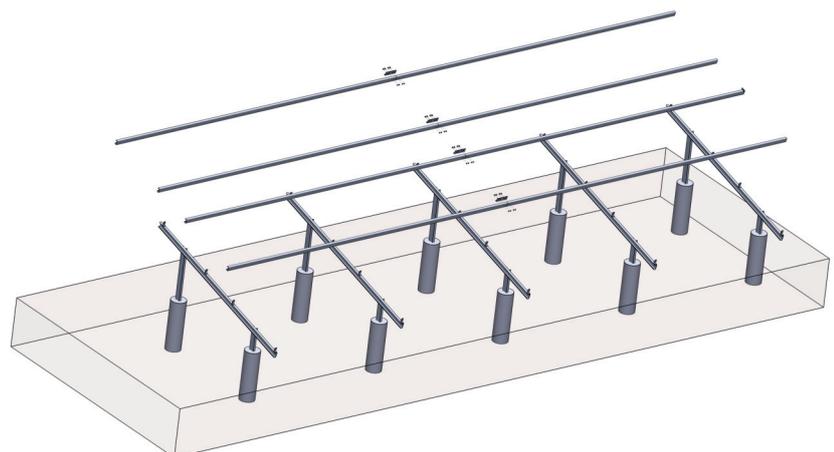
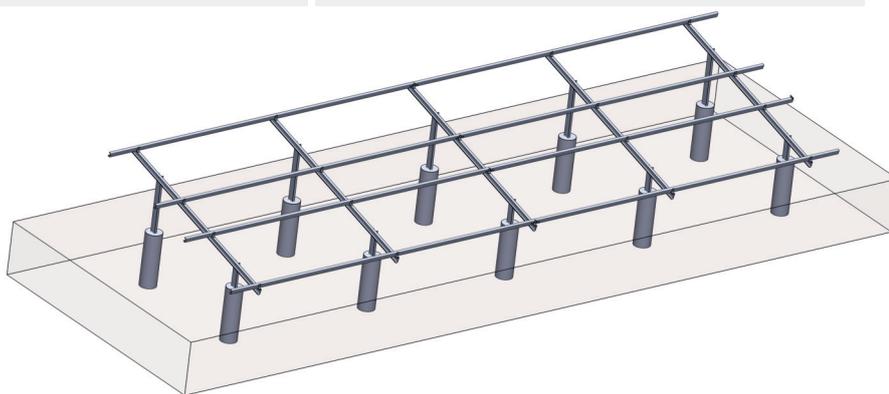
Stable Foundation



Customizable Design

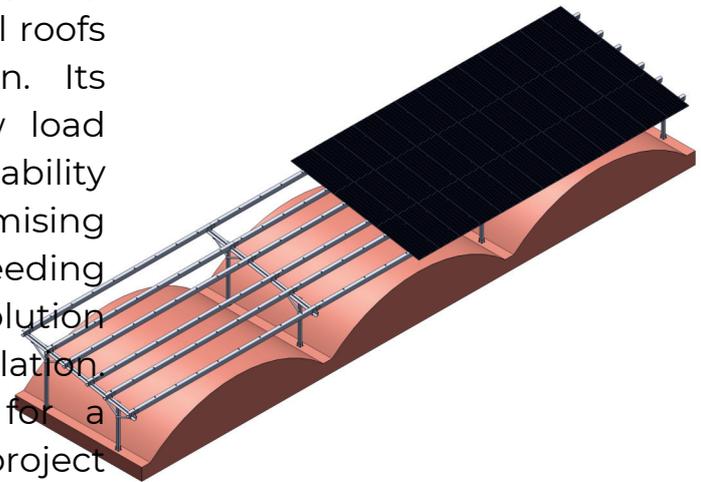


Enhanced Reliability



P3 SHELL ROOF

Introducing our HDG P3 Elevated Shed, expertly designed to address the challenges of shell roofs with North to South Beam orientation. Its versatile construction adapts to the low load capacity of shell structures, ensuring durability and reliable support without compromising building integrity. Ideal for projects needing efficient shell roof deployment, this solution offers convenient and robust installation. Discover the HDG P3 Elevated Shed for a customized solution tailored to your project needs.



SPECIFICATIONS

Application	Shell Roof with NS Beams
Material	SS400 Iron
Coating	HDG As per ASTM A123
Fastner	HDG for Structure & SS304 for Module
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Site Addaptability



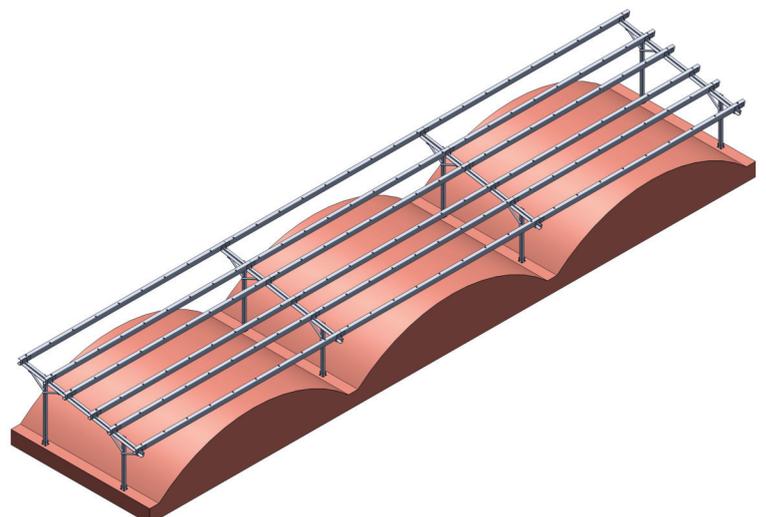
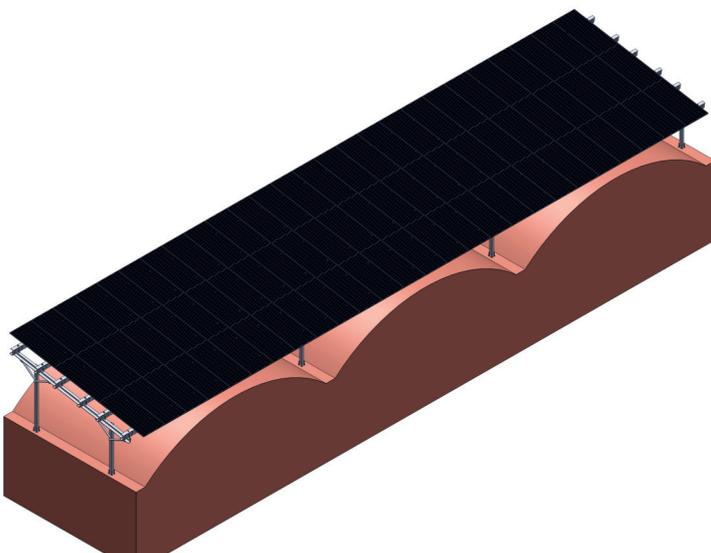
Low Load Impact



Efficient Installation

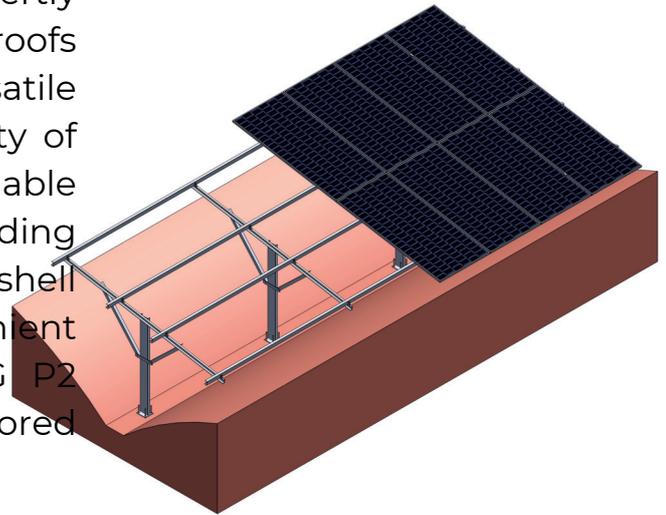


Structural Integrity



P2 SHELL ROOF

Introducing our HDG P2 Elevated Shed, expertly designed to address the challenges of shell roofs with East to West Beam orientation. Its versatile construction adapts to the low load capacity of shell structures, ensuring durability and reliable support without compromising building integrity. Ideal for projects needing efficient shell roof deployment, this solution offers convenient and robust installation. Discover the HDG P2 Elevated Shed for a customized solution tailored to your project needs.



SPECIFICATIONS

Application	Shell Roof with EW Beams
Material	SS400 Iron
Coating	HDG As per ASTM A123
Fastner	HDG for Structure & SS304 for Module
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Site Addaptability



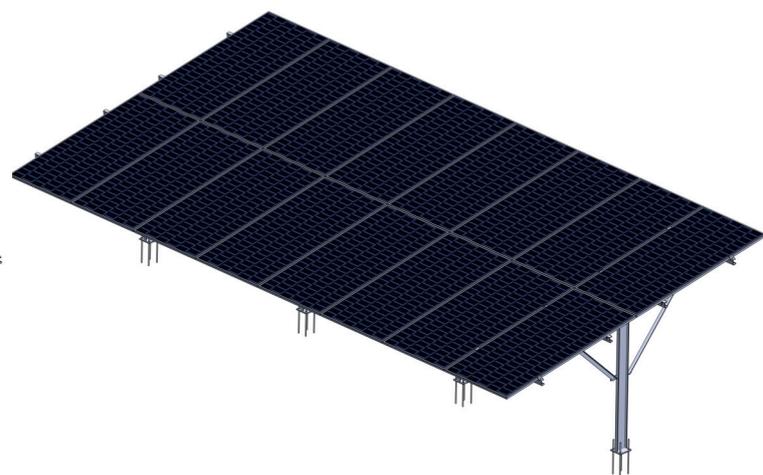
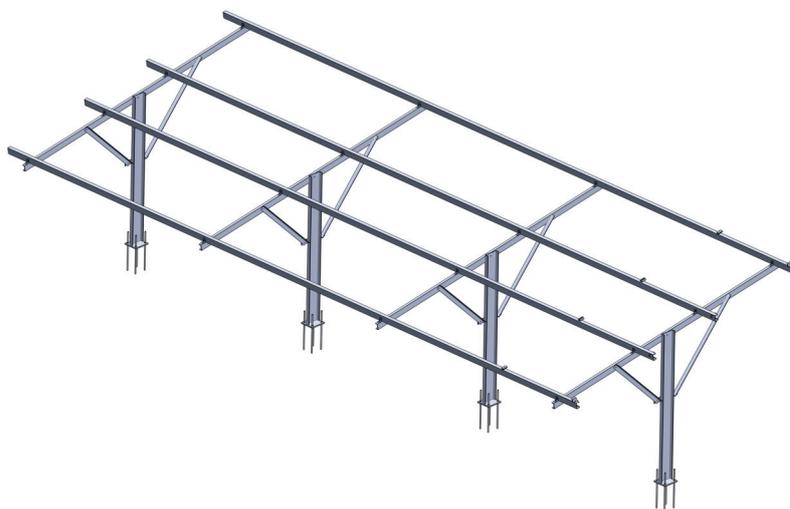
Low Load Impact



Efficient Installation



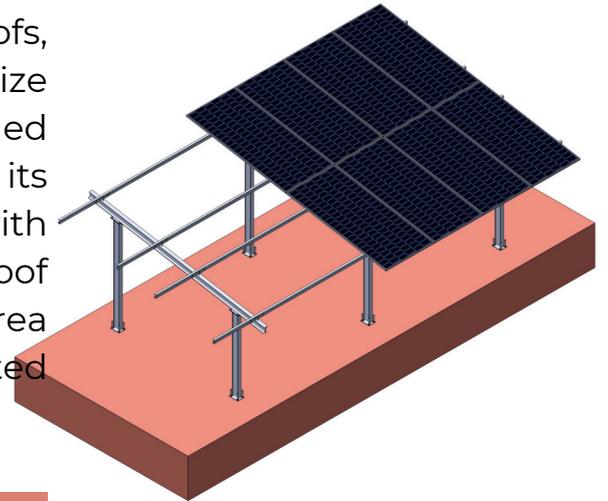
Structural Integrity





P2 ELEVATED SHED

Introducing our P2 Elevated Shed for flat roofs, expertly crafted to tackle hurdles and maximize installed capacity in constrained areas. Designed to reduce shading losses and optimize space, its versatile construction adapts to rooftops with hurdles. Perfect for projects with limited roof space, this customized solution addresses area constraints efficiently. Discover the P2 Elevated Shed and unlock your roof's full potential.



SPECIFICATIONS

Application	Flat Roof
Material	SS400 Iron
Coating	HDG As per ASTM A123 or Painted
Fastner	HDG for Structure & SS304 for Module
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Flat Roof Optimization



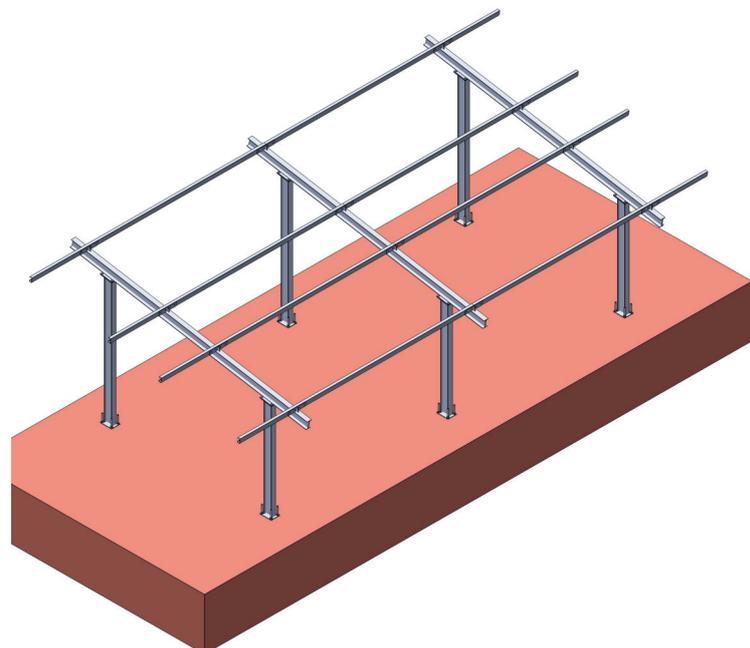
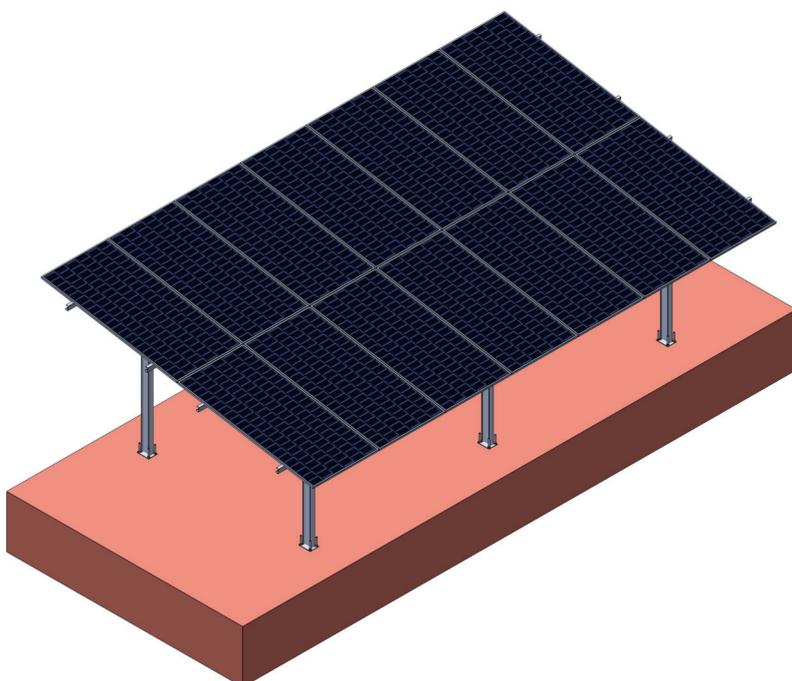
Shading Reduction



Robust Construction

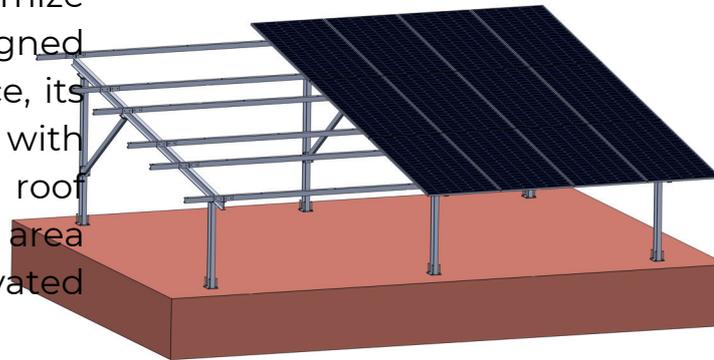


Space Efficient



P3 ELEVATED SHED

Introducing our P3 Elevated Shed for flat roofs, expertly crafted to tackle hurdles and maximize installed capacity in constrained areas. Designed to reduce shading losses and optimize space, its versatile construction adapts to rooftops with hurdles. Perfect for projects with limited roof space, this customized solution addresses area constraints efficiently. Discover the P3 Elevated Shed and unlock your roof's full potential.



SPECIFICATIONS

Application	Flat Roof
Material	SS400 Iron
Coating	HDG As per ASTM A123 or Painted
Fastner	HDG for Structure & SS304 for Module
Inclination Angle	10°-45° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Flat Roof Optimization



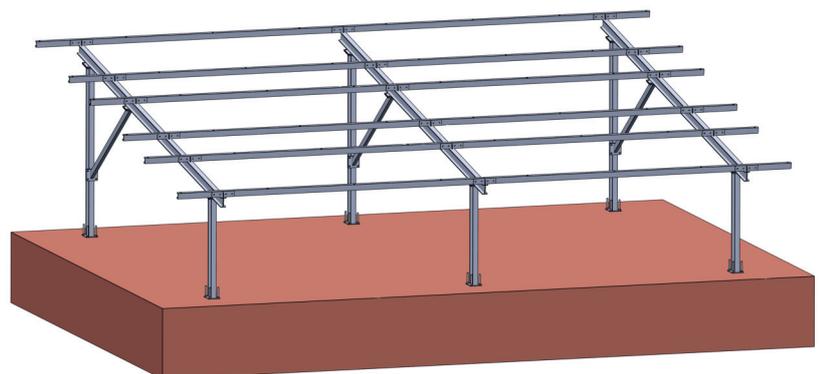
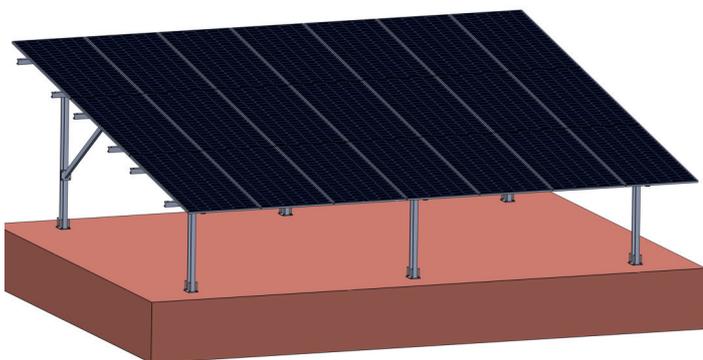
Shading Reduction



Robust Construction



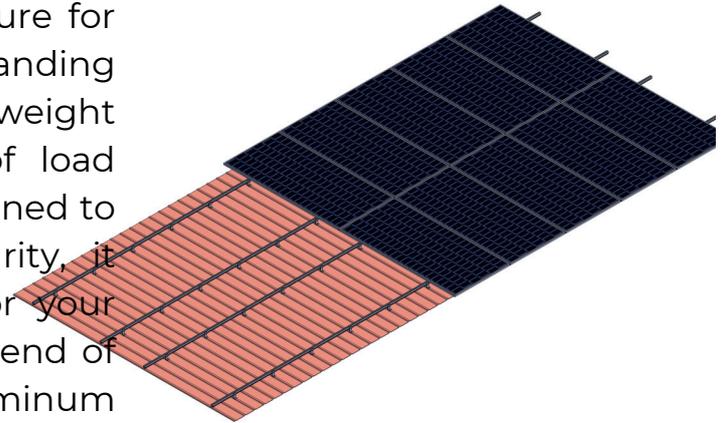
Space Efficient



ALUMINIUM RAILING

FOR NON STANDING SEAM

Introducing our Aluminum Railing Structure for steel and corrugated roofs with non-standing seams. Expertly crafted from lightweight aluminum, this structure minimizes roof load while ensuring seamless installation. Designed to maintain the roof's waterproofing integrity, it offers a reliable and efficient solution for your steel roof projects. Discover the perfect blend of durability and performance with our Aluminum Railing Structure



SPECIFICATIONS

Application	Steel/Corrugated Roof
Material	Aluminium 6063 T5
Coating	Annodized
Fastner	SS304
Inclination Angle	Flush Mounted
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Minimal Roof Load



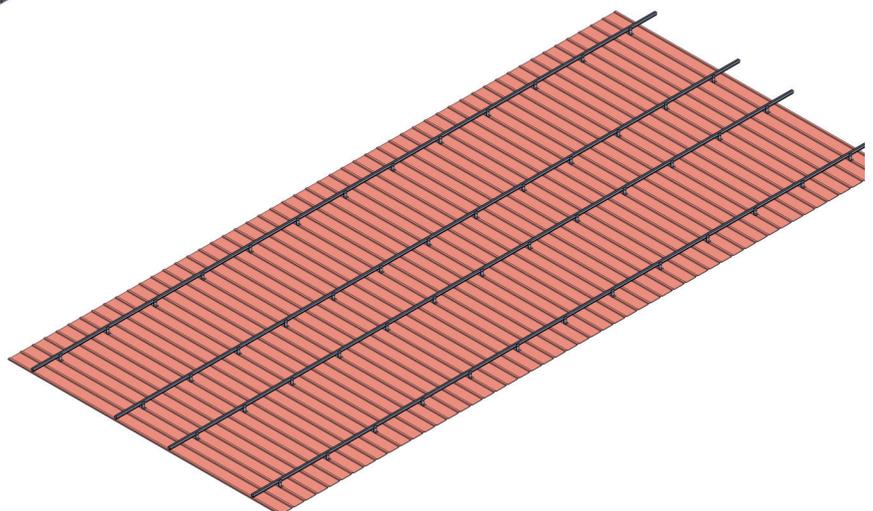
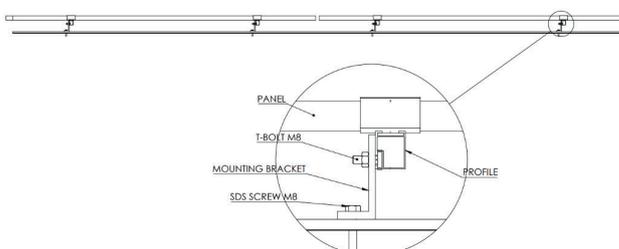
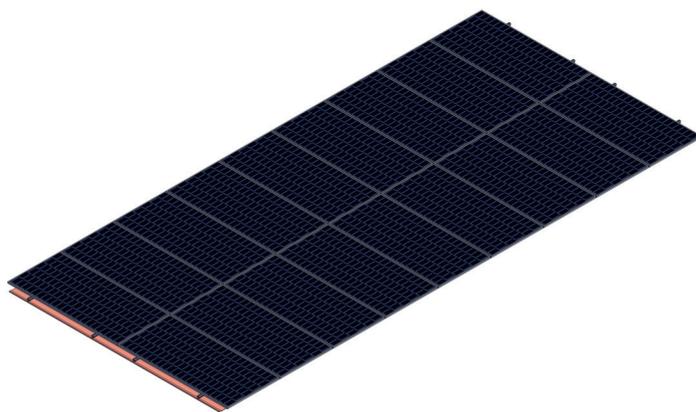
Seamless Installation



Waterproof Integrity



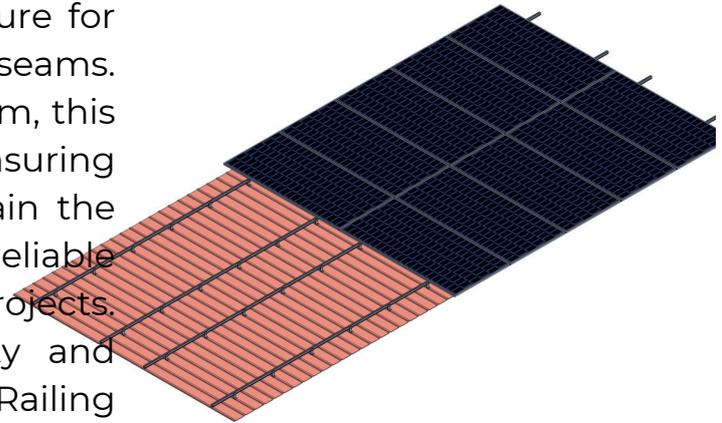
Aluminum Durability



ALUMINIUM RAILING

FOR STANDING SEAM

Introducing our Aluminum Railing Structure for steel and corrugated roofs with standing seams. Expertly crafted from lightweight aluminum, this structure minimizes roof load while ensuring seamless installation. Designed to maintain the roof's waterproofing integrity, it offers a reliable and efficient solution for your steel roof projects. Discover the perfect blend of durability and performance with our Aluminum Railing Structure



SPECIFICATIONS

Application	Steel/Corrugated Roof
Material	Aluminium 6063 T5
Coating	Annodized
Fastner	SS304
Inclination Angle	Flush Mounted
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Minimal Roof Load



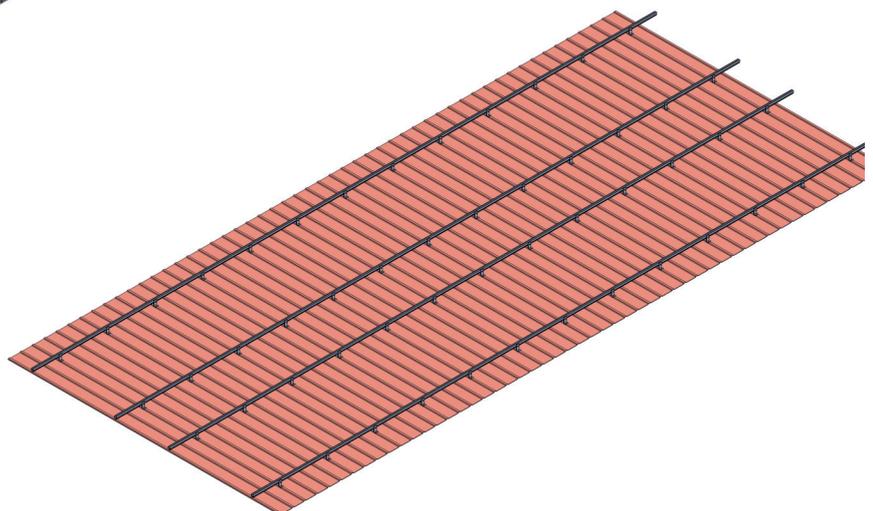
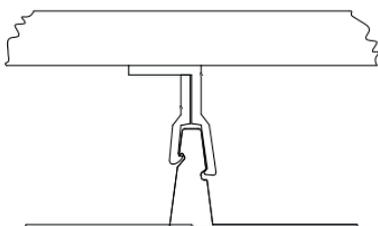
Seamless Installation



Waterproof Integrity



Aluminum Durability



SOLAR GAZEBO

Introducing Solar Gazebo, a luxurious blend of style and sustainability. With its east-west PV orientation, it maximizes solar energy capture while offering a stunning space below for a sunroom or roof garden. Elevate your outdoor area with this elegant structure that combines renewable energy with sophisticated design, making your solar installation both functional and beautiful.



SPECIFICATIONS

Application	Flat Roof/Ground
Material	SS400 Iron
Coating	HDG/Painted
Fastner	SS304
Inclination Angle	5°-30° (Can be Customize)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Aesthetic Appeal



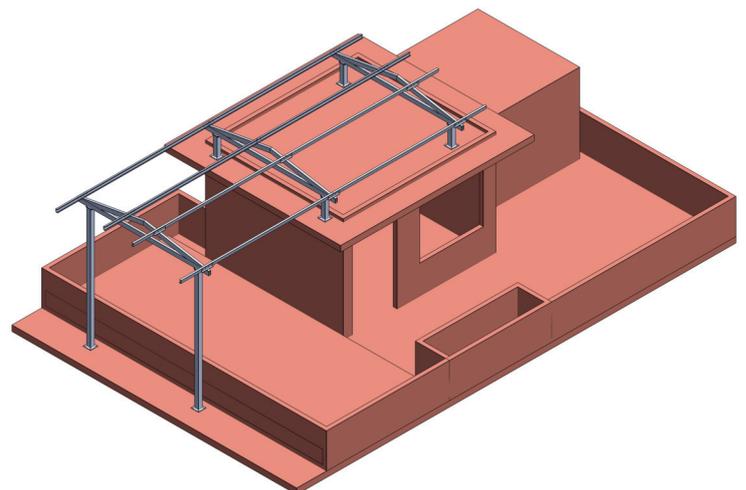
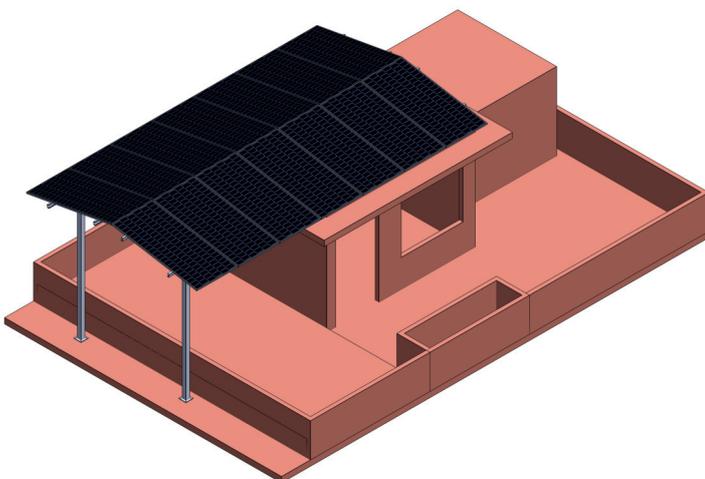
Multi-Use Space



Optimal Solar Yield



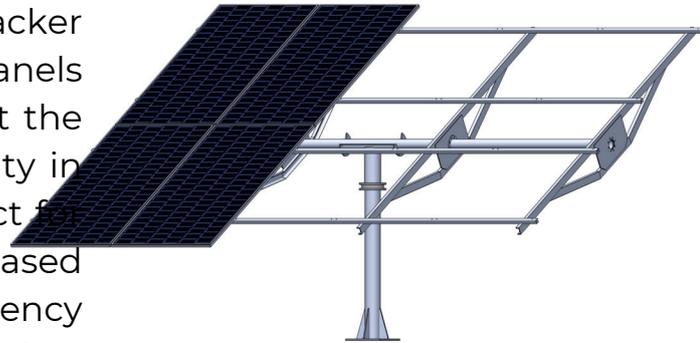
Sustainable Design



MONO POLE

Manual Tracker

Introducing our Mono Pole Manual Tracker for irrigation systems. Designed to optimize solar efficiency, this robust and adjustable tracker allows you to manually position your solar panels for maximum sunlight exposure throughout the day. Its sturdy construction ensures durability in various weather conditions, making it perfect for agricultural settings. Experience increased energy yield and improved irrigation efficiency with our Mono Pole Manual Tracker, tailored to meet the unique needs of your farm. Discover the perfect solution to enhance your irrigation system's performance and sustainability.



SPECIFICATIONS

Application	Ground
Material	SS400 Iron
Coating	HDG/Painted
Fastner	Structure HSG & Module SS304
Inclination Angle	25°-90° (Can be Adjusted)
Warranty	10 Years*
Wind Speed	35m/s (Can be Customize)



Irrigation System Optimization



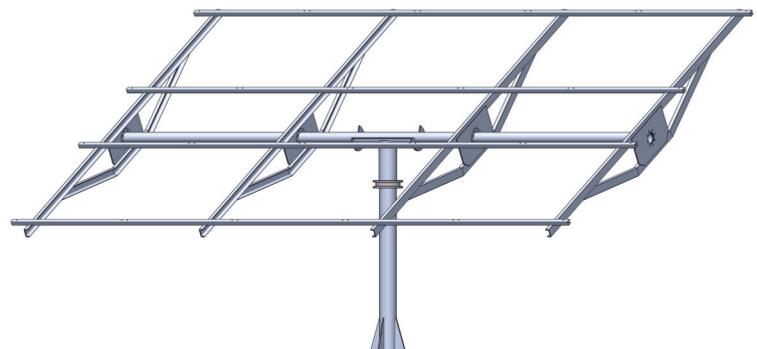
Manual Adjustment



Sturdy Build



Increased Energy Yield



USE CASE



Project: 500kW Zaib Flour Mills, Rahim Yar Khan

Product: HDG P1



Project: 500kW Feroze Flour Mills, Rahim Yar Khan

Product: P2 Pile Driven

USE CASE



Project: 1000kW Beverages, Rawalpindi
Product: P2 Concrete Pile



Project: 350kW Rice Mills, Bhawalnagar
Product: Aluminium L2



About Green Fuel Energy (GFE)

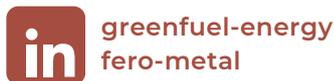
At Green Fuel Energy (GFE), we are passionate about delivering top-quality solar solutions. With years of experience in solar energy installation and design, we understand the industry's needs and are dedicated to providing durable, reliable, and customer-focused products.

About Fero

Fero, our premium brand for solar mounting structures. Crafted at facility in Lahore, combines cutting-edge technology with meticulous craftsmanship. Fero structures are built to endure and perform. Our commitment to quality and innovation ensures that your solar projects are not only efficient but also resilient and long-lasting.



CONNECT WITH US



DOWNLOAD TECHNICAL DOCUMENTS

