

CHIKOUSA
RACKING MADE SIMPLE

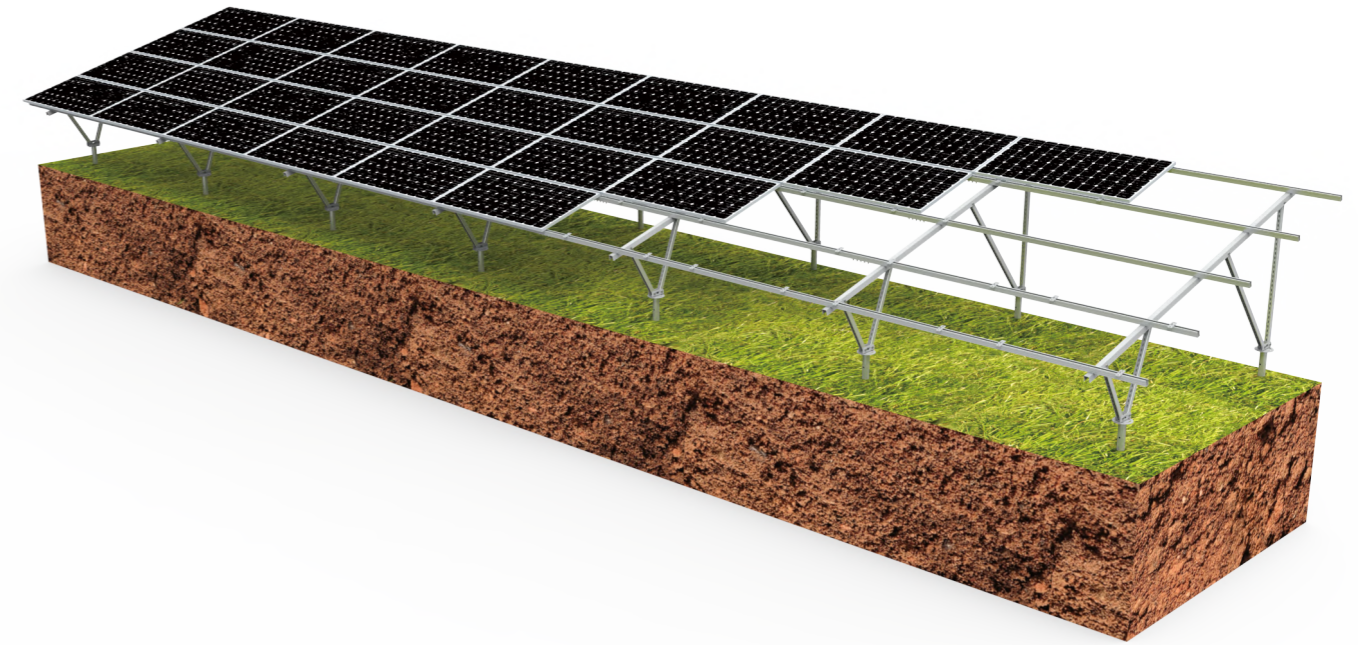
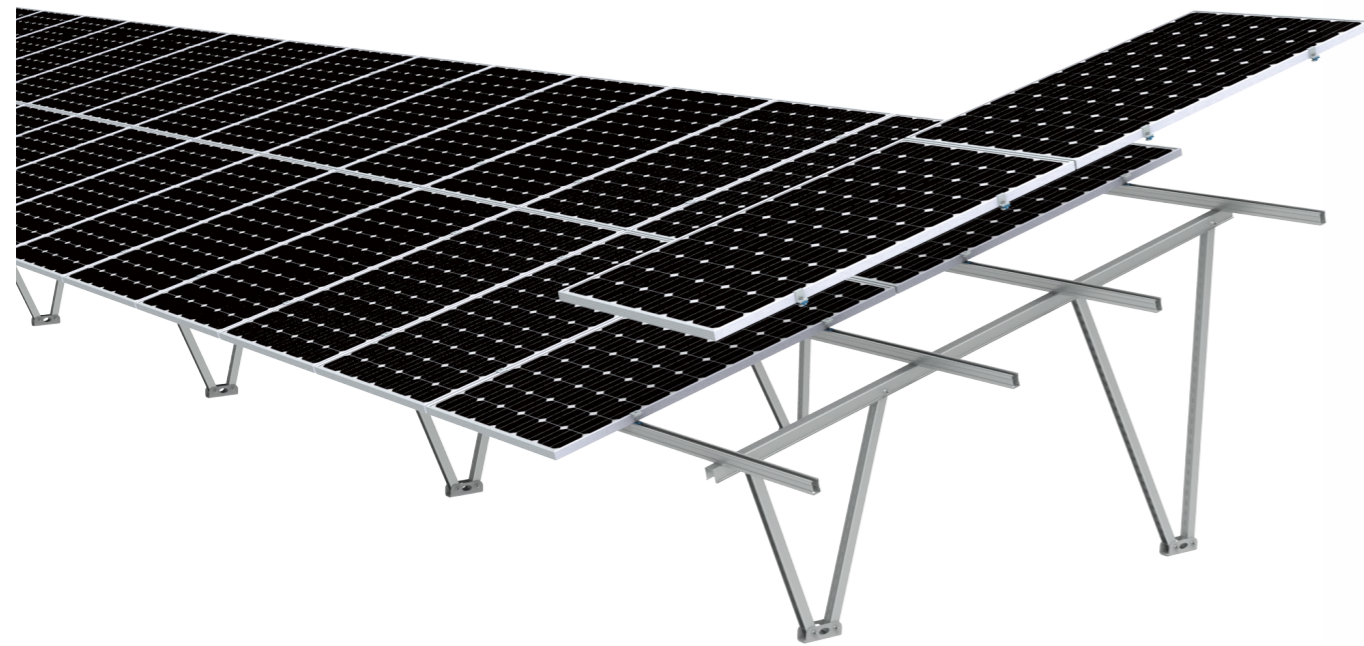
Solar Mounting Solutions

Steel-U2V Ground Mount

UL2703

**Adjustable
Ground Screws
Available**





Chiko S-U2V Ground Mount for Solar Farm

The Chiko S-U2V Ground Mount System has been designed and engineered to suit to both concrete foundation and ground screw foundation solar farm.

The high performance, all galvanized racking materials provide long lasting durability and over 30 - year service life. All components have been pre-cut and pre-drilled for simple assembly in the field, improving the installation efficiency, saving time and labor cost for the construction of large-scaled solar farm.

The versatility and scalability of Chiko S-U2V provides a flexible option that adapts to any configuration and any terrain.

Features

Variability

- Suited for both framed and unframed PV modules.
- Variable inclination of 0-45deg and fixed.
- Set on both ground screw foundation and concrete foundation.
- Configuration for both portrait and landscape.

Universal Engineering

- Structural design to consider all applicable codes and local regulations, design loads, applicable weather hazards and other regional data.
- Site-specific system statics calculation.
- Calculation for wind load, snow load.

Components Features

- Hot-dip galvanized steel with a high corrosion resistance.
- Short assembly time due to the highly prefabricated components, no in field drilling, cutting or welding.

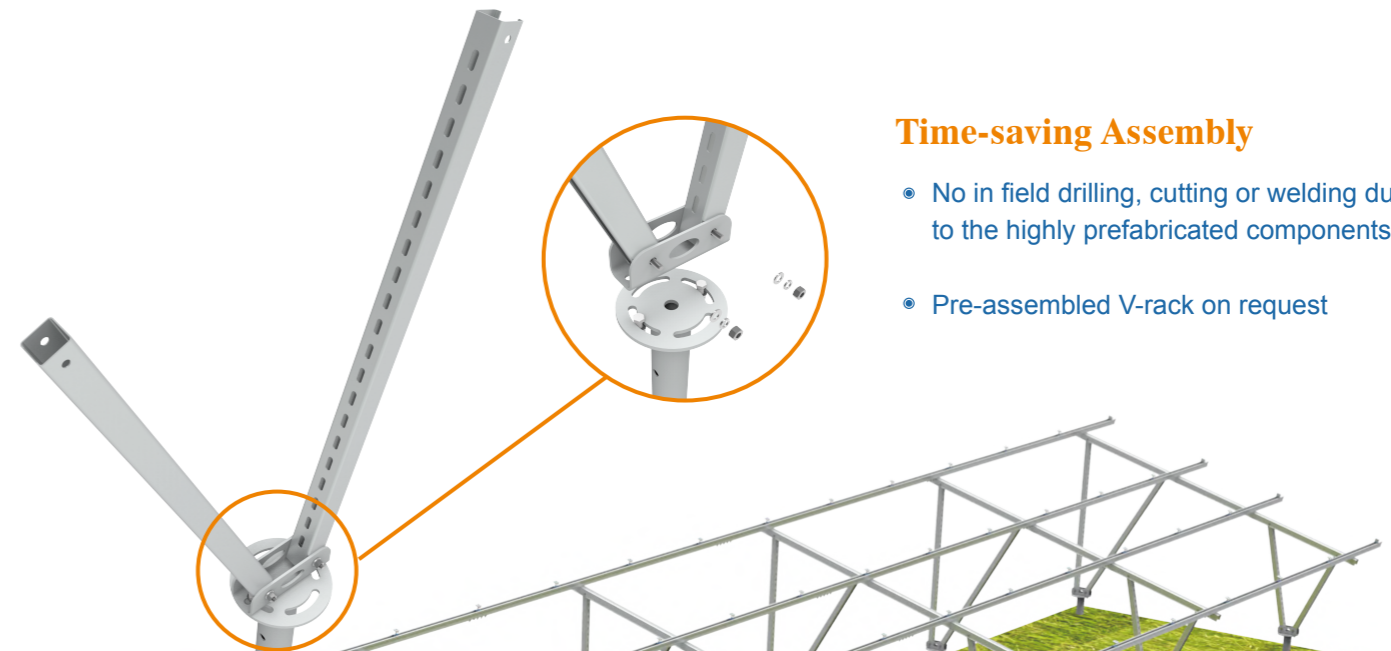
Manufacture

Capacity of 6MW quality products processed thanks to the chiko's constantly investing in the latest machinery and technology, to improving the flexible manufacturing facility.



S-U2V Ground Mount

The most preferred medium to large solar farm



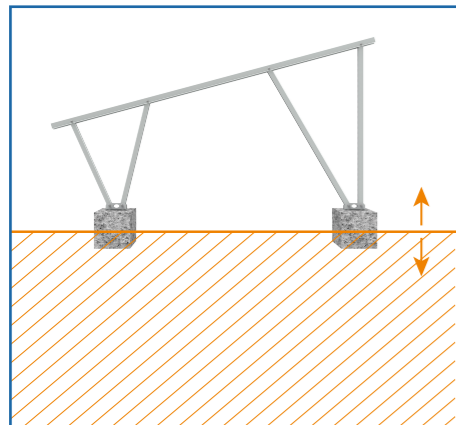
Time-saving Assembly

- No in field drilling, cutting or welding due to the highly prefabricated components
- Pre-assembled V-rack on request

Foundation

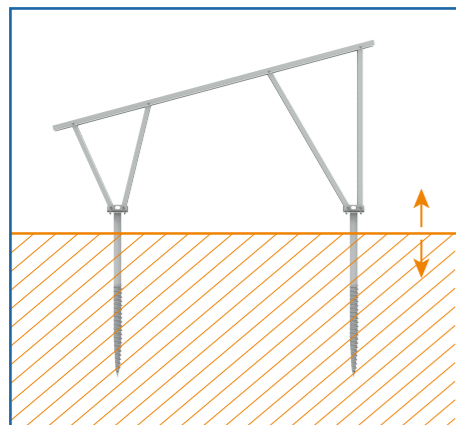
Concrete base

- Best suited where ground excavation is not permitted
- The size is adjusted based on the static requirements and location



Screw piles

- High traction and pressure values
- Installation by mini-digger machine with rotating head support

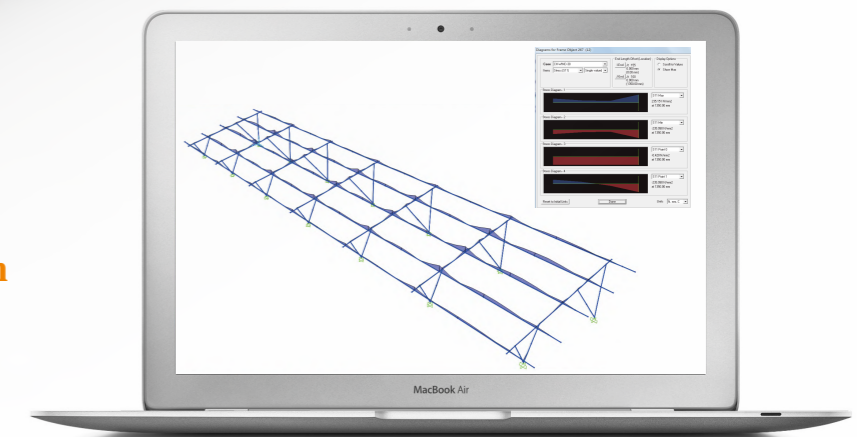


Pile Length(m)

Filled soil & Silt soil	Cohesive soil	Fine silt		Sandy silt			Medium sand		Rough sand	
		Medium dense	High dense	Slight dense	Medium dense	High dense	Medium dense	High dense	Medium dense	High dense
Average	Average	0.88	0.72	1.21	0.88	0.73	0.81	0.68	0.68	0.61

Engineered Design

- Model design
- Structural loads and stresses calculation



WORDLEADING

M A N U F A C T U R E

