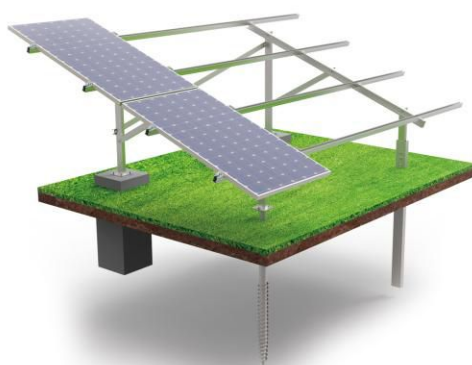




## SOLAR GROUND RACKING SYSTEM

# CY Solar



Vertical 2-row Configuration



Horizontal 4-row Configuration

## SOLAR C-STEEL RACKING SYSTEM

### Introduction:

CY-ZJ01 series is a C-shape steel racking system which has 3 types of foundations, ground screw, rammed post and concrete foundation. So it has wide range of application. Because of the concise design, it saves a lot of materials for this system.

Besides, 40% pre-assembly parts at factory makes the installation work at site very easy and safe. This series of mounting system is the most economical one which is widely used on large commercial solar plants.

### Benefits:

1. 40% pre-assembly parts easier the installation work at site.
2. Extremely concise design both easier the installation and saves the material.
3. Three types of foundations make the racking system fit for all kinds of soil condition.
4. High quality of hot dip galvanized steel makes the racking system have a good anti-corrosion and durability.
5. 15-year warranty and 30 years of service life is provided.

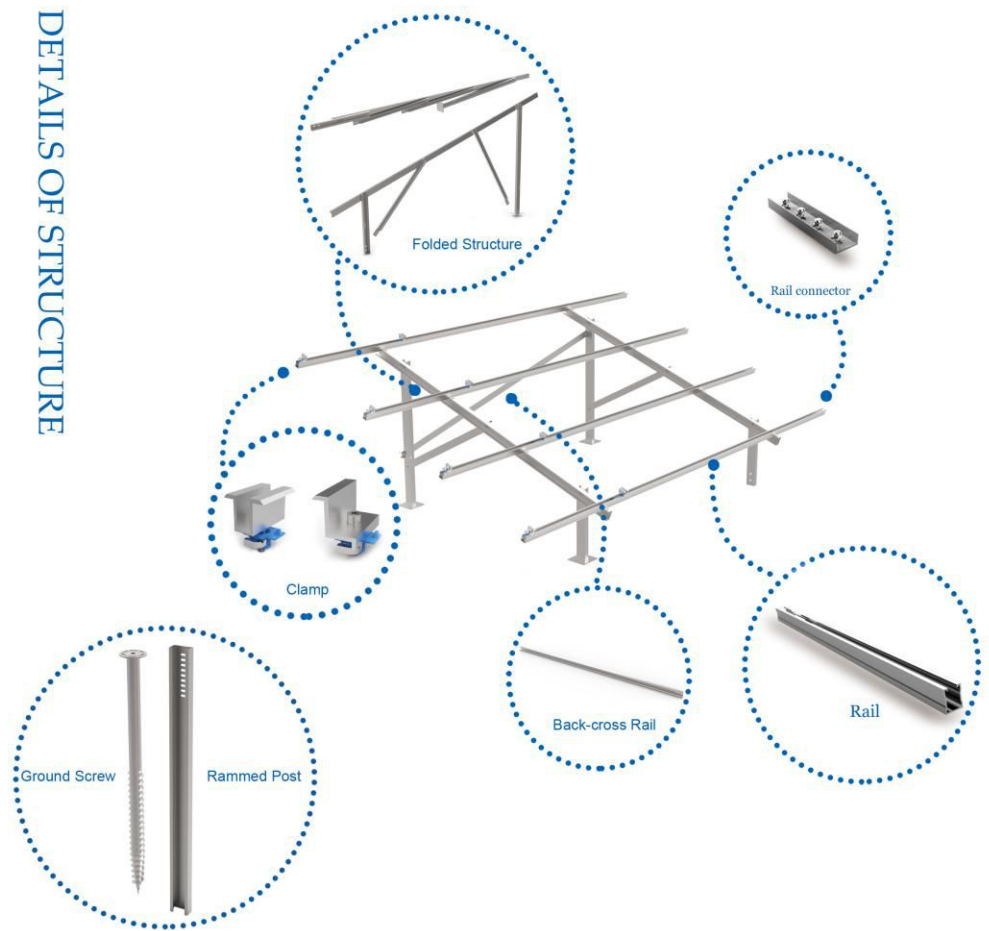
### Technical data:

Soil type	Any soil
Material	Hot dip galvanized steel
Arrangement of module	2 rows in vertical/4 rows in horizontal
Connecting component	SS304 bolt
Wind load	35m/s
Snow load	0.95KN/m <sup>2</sup>
Warranty	15 years
Service life	30 years

### Standard and certifications:

1. International Building Code (IBC) 2009
2. California Building Code (CBC) 2010
3. ASCE / SEI 7-10
4. ANSI / ATSC 360-05
5. ACI 318-08
6. ASTM D2487

### DETAILS OF STRUCTURE



### Advices for Best Rack Design:

1. Panel array: 2x20 in vertical
2. Height from panel edge to ground: 0.6m
3. Panel size: Any type
4. Panel inclination: Based on the latitude of installation site
5. Foundation: Concrete block, ground screw and rammed post





## SOLAR GROUND RACKING SYSTEM

# CY Solar



Horizontal 4-row Configuration



Vertical 2-row Configuration

## SOLAR ROUND STEEL RACKING SYSTEM

### Introduction:

CY-ZJ02 series is a round steel racking system. 3 types of foundations (ground screw, rammed post and concrete foundation) allow it have a wide range of application. The professional and strict calculation and high-quality material makes the structure have a high strength. Besides, 40% pre-assembly parts at factory makes the installation work at site very easier and safe.

### Benefits:

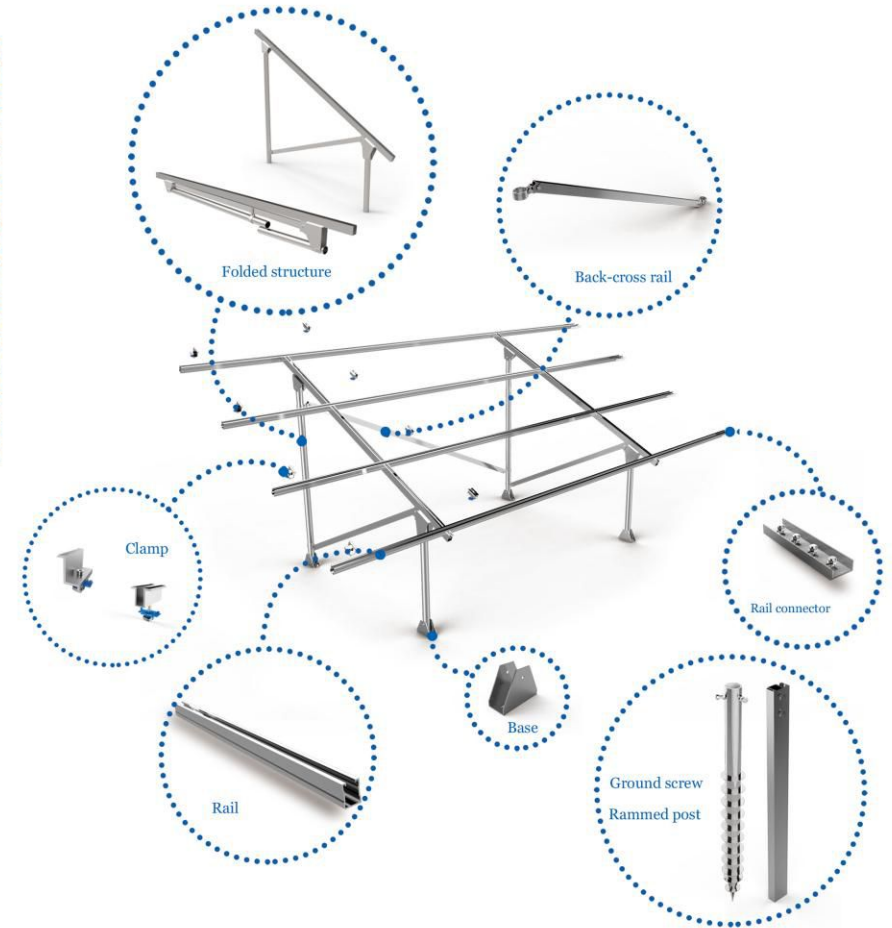
1. Professional mechanical calculation makes the structure have a high wind and snow load.
2. Folded structure (40% of components are pre-assembled at factory) makes the installation work at site very easy.
3. Three types of foundations make the structure fit for all kinds of soil condition.
4. 15-year warranty and 30 years of service life is provided.

### Technical data:

Applicable soil type	Any soil
Material	Hot dip galvanized steel
Arrangement of module	2 rows in vertical/4 rows in horizontal
Connecting component	SS304 bolt
Wind load	45m/s
Snow load	0.95KN/m <sup>2</sup>
Warranty	15 years
Service life	30 years



### DETAILS OF STRUCTURE



### Advices for Best Structure Design:

1. Module array: 2x20 in vertical or 4x10.
2. Height from panel bottom to ground: 0.6m.
3. Module size: Any type.
4. Module inclination: Based on the latitude of construction site.
5. Foundation: Concrete foundation, ground screw or rammed post.
6. Rail: Aluminum rail or steel rail.

### Standard and certifications:

1. International Building Code (IBC) 2009
2. California Building Code (CBC) 2010
3. ASCE / SEI 7-10
4. ANSI / ATSC 360-05
5. ACI 318-08
6. ASTM D2487



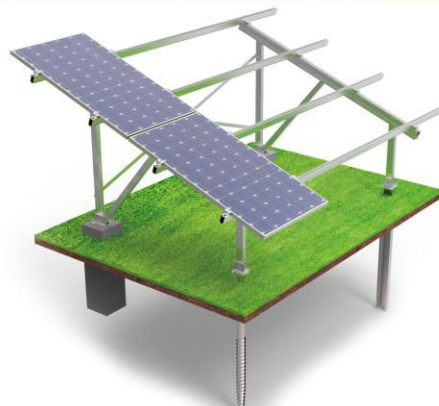


# SOLAR GROUND RACKING SYSTEM

# CY Solar



Horizontal 4-row Configuration



Vertical 2-row Configuration

## SOLAR ALUMINUM RACKING SYSTEM

### Introduction:

This solar racking system CY-ZJ03 is applied to large commercial solar plant and plant for public utilities. CY-ZJ03 is suitable for both frame and frameless modules. It has 3 types of foundations (rammed post, ground screw and concrete foundation) which allow this racking system fit for any types of soil. The main material of this system is aluminum 6005-T5 which makes the transportation and installation very easy because its weight is lighter than standard system. Besides, it has a good performance on anti-corrosion because there is film on the surface of material. So this system can fit for any bad environment. The R&D team of CY Solar draw lessons from the experience on both domestic and foreign project installation, and devote themselves to improving design based on mechanics. Finally, the strength of the structures is increased a lot. Because this is a folded structure (about 40% pre-assembled at factory), so it very much saves the installation time and labor.

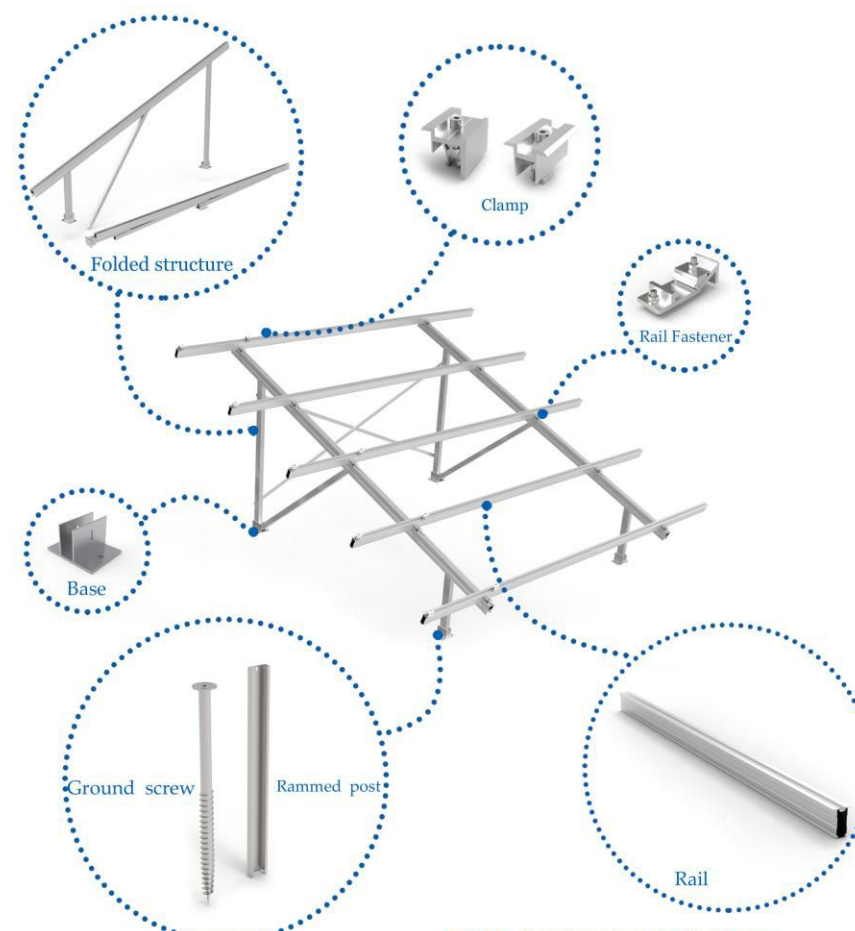
### Benefits:

1. The high-quality aluminum 6005-T5 makes the rack has a good performance on anti-corrosion.
2. Ease of assembly due to the simplicity of its components and total adaptation to different panel types.
3. Three types of foundations make the rack fit for all kinds of soil condition.
4. 15-year warranty and 30 years of service life is provided.

### Technical data:

Applicable soil type	Any soil
Material	Aluminum 6005-T5
Arrangement of module	2 rows in vertical/4 rows in horizontal
Connecting component	SS304 bolt
Wind load	40m/s
Snow load	0.95KN/m <sup>2</sup>
Warranty	15 years
Service life	30 years

### DETAILS OF STRUCTURE



### Advices for Best Structure Design:

1. Module array: 2x20 in vertical/4x10 in horizontal.
2. Height from panel bottom to ground: 0.6m.
3. Module size: Any type.
4. Module inclination: Based on the latitude of construction site.
5. Foundation: Concrete foundation, ground screw or rammed post.

### Standard and certifications:

1. International Building Code (IBC) 2009
2. California Building Code (CBC) 2010
3. ASCE / SEI 7-10
4. ACI 318-08
5. ASTM D2487





CY-ZJ05

# SOLAR GROUND RACKING SYSTEM

# CY Solar



## SOLAR SEASONAL ADJUSTABLE RACKING SYSTEM

### Introduction:

Solar racking CY-ZJ05 is a seasonal adjustable ground racking systems. It can be adjusted manually from 5 ° to 45 ° to improve the efficiency of the generated energy. Different from other seasonal adjustable racks, it is adjusted the angle by bearing which is safe and efficient. The single column foundation makes the installation work very easy in order to save your installation time and labor.

### Advices for Best Structure Design:

1. Module array: 2x20 in vertical.
2. Height from panel bottom to ground: 0.6m.
3. Module size: Any type.
4. Module inclination: Based on the latitude of construction site.
5. Foundation: Rammed post or concrete foundation.
6. Rail: Steel rail or aluminum rail.

### Benefits:

1. Changeable inclination of modules improves the efficiency of generated energy so as to improve the benefits from solar plant.
2. High pre-assembly components makes the installation work at site very easy.
3. Flexible design makes it have a wide application.
4. 15-year warranty and 30 years of service life is provided.

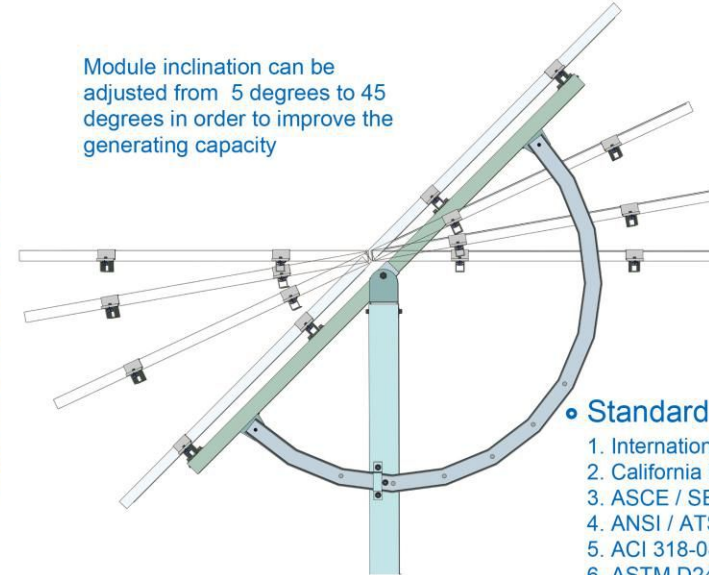
### Technical data:

Applicable soil type	Any soil
Material	Hot dip galvanized steel
Arrangement of module	2 rows in vertical
Connecting component	SS304 bolt
Wind load	30m/s
Snow load	0.95KN/m <sup>2</sup>
Warranty	15 years
Service life	30 years



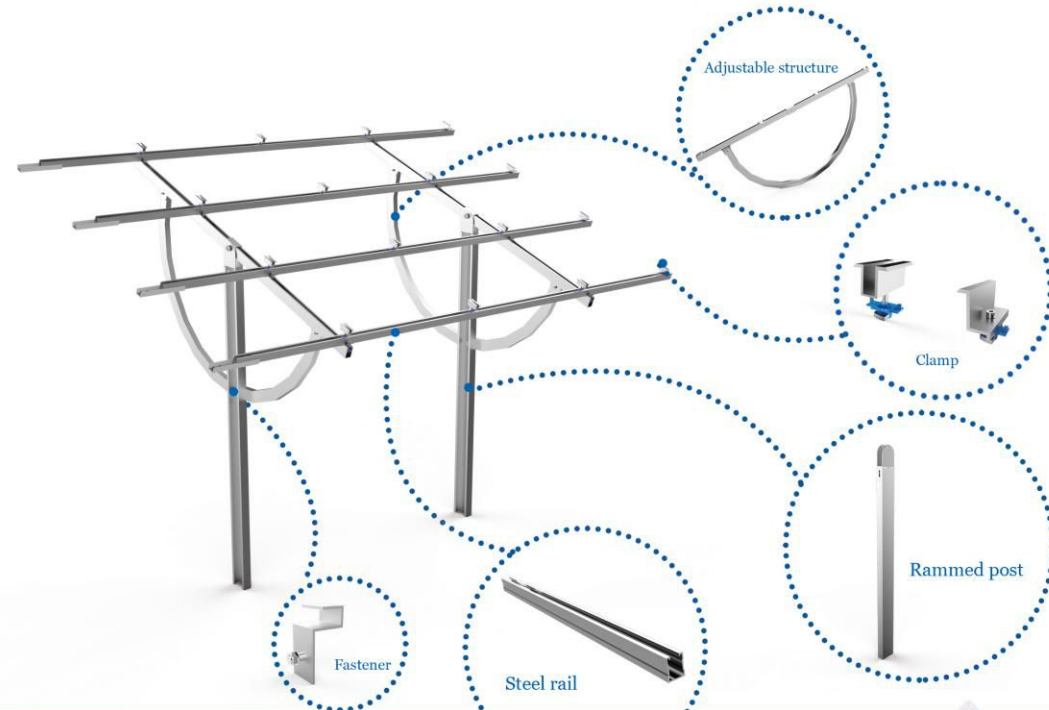
### DETAILS OF STRUCTURE

Module inclination can be adjusted from 5 degrees to 45 degrees in order to improve the generating capacity



### Standard and certifications:

1. International Building Code (IBC) 2009
2. California Building Code (CBC) 2010
3. ASCE / SEI 7-10
4. ANSI / ATSC 360-05
5. ACI 318-08
6. ASTM D2487





CY-ZJ15

# SOLAR GROUND RACKING SYSTEM

# CY Solar



Vertical 2-row Configuration



Horizontal 4-row Configuration

## SOLAR SINGLE COLUMN RACKING SYSTEM

### •Introduction:

CY-ZJ15 is applied to large commercial solar plant and plant for public utilities. This is a single column mounted system which is suitable for both frame and frameless modules. The infrastructure of concrete foundation increases the grip and wind resistance. The R&D team of CY Solar draw lessons from the experience on both domestic and foreign project installation, and devote themselves to improving design based on mechanics. Finally, they design this racking system which is one of the most economical and suitable system in the market.

In order to save the installation time and cost at site, the main components of this system is a folded structure (about 40% pre-assembled at factory). So there is only 4 installation steps at site. 1. Piling. 2. Install folded structure. 3. Install rails. 4. Fix Panels.

### •Benefits:

1. Concise and professional design allows low usage of materials which makes it to be the most economical one among piling structures.
2. Wide adaptability of modules arrangement (2-row in vertical and 4-row in horizontal configuration) to fit for size of land.
3. 4 steps complete the installation work(1. Piling. 2.Install folded structure. 3. Install rail. 4. Fix module.)
4. 15-year warranty and 30 years of service life is provided.

### •Technical data:

Applicable soil type	Gravelly soil, sandy soil, silt and clayey
Material	Hot dip galvanized steel
Arrangement of module	2 rows in vertical/4 rows in horizontal
Connecting component	SS304 bolt
Wind load	40m/s
Snow load	0.95KN/m <sup>2</sup>
Warranty	15 years
Service life	30 years



### DETAILS OF STRUCTURE



### •Advices for Best Structure Design:

1. Module array: 2x20 in vertical/4x10 in horizontal.
2. Height from panel bottom to ground: 0.6m.
3. Module size: Any type.
4. Module inclination: Based on the latitude of construction site.
5. Rail: Steel rail or aluminum rail.

### •Standard and certifications:

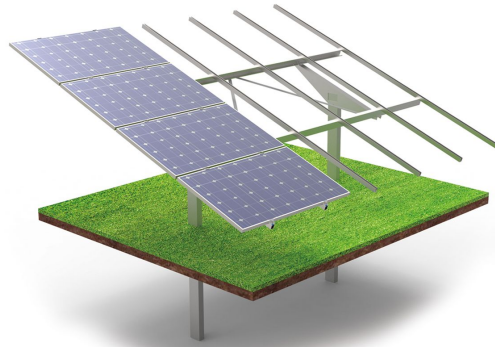
1. International Building Code (IBC) 2009
2. California Building Code (CBC) 2010
3. ASCE / SEI 7-10
4. ANSI / ATSC 360-05
5. ACI 318-08
6. ASTM D2487



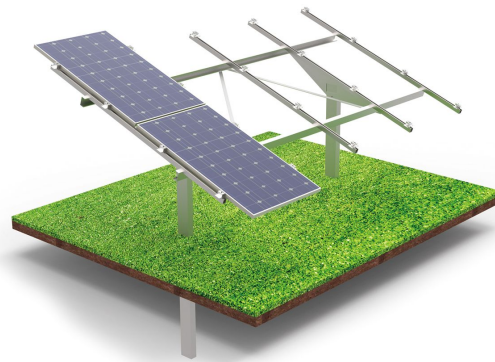


# SOLAR GROUND RACKING SYSTEM

# CY Solar



Horizontal 4-row configuration



Vertical 2-row configuration

## SOLAR SINGLE POLE RACKING SYSTEM

### Introduction:

CY-ZJ17 is a racking system for larger scale installations that require faster build rates. 80% of the components are pre-assembled at factory. With CY Solar team's innovative spirit, all the parts are simplified and none of the components have welds or welded joints which allows the system to adapt perfectly to the surroundings. Besides, the single column not only saves the cost, but also easier the foundation installation work. This racking system is extremely easy to fix because the rails and beams are pre-assembled which only needs to be open at site. So it very much saves the installation time and labor at site.

### Benefits:

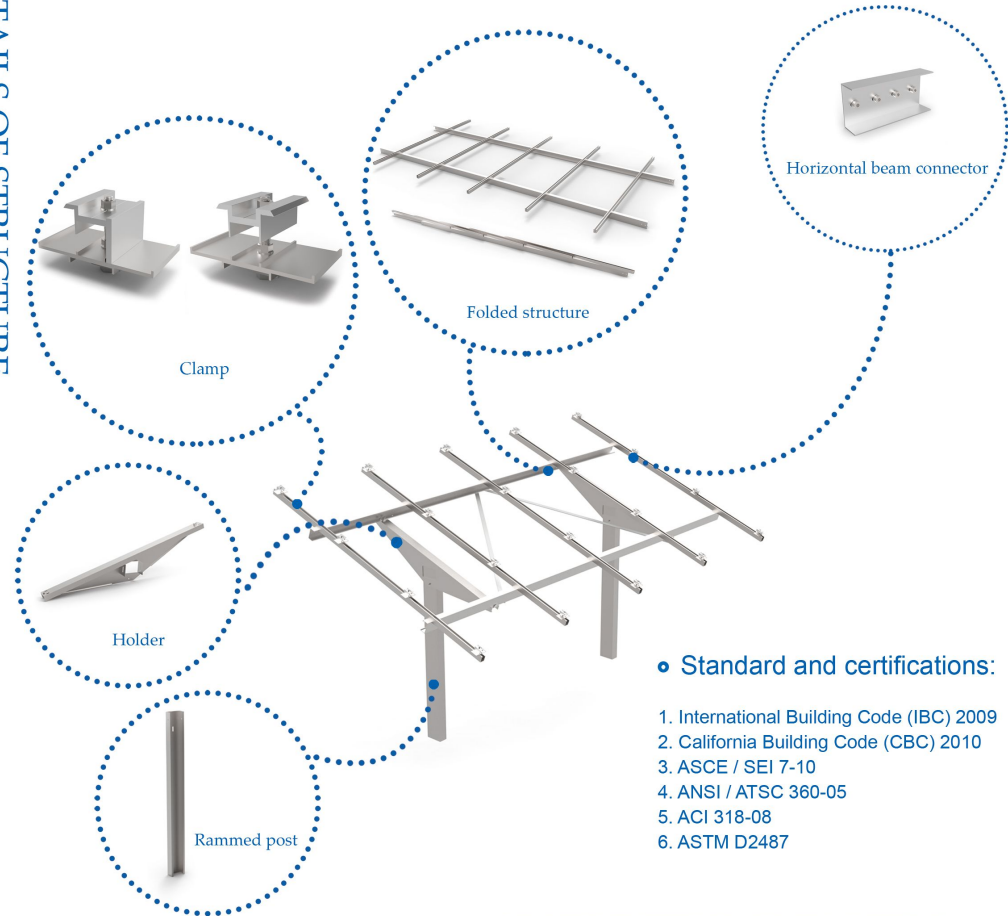
1. Factory pre-assembled components save time.
2. Single column foundation and folded structure easier the installation work.
3. No welded parts to adapt perfectly to the surroundings.
4. High strength steel attachment components.
5. Fewer ground penetrations than traditional ground mount systems, saving labor and materials.

### Technical data:

Applicable soil type	Gravelly soil, sandy soil, silt and clayey
Material	Hot dip galvanized steel
Arrangement of module	2 rows in vertical/4 rows in horizontal
Connecting component	SS304 bolt
Wind load	40m/s
Snow load	0.95KN/m <sup>2</sup>
Warranty	15 years
Service life	30 years



### DETAILS OF STRUCTURE



### Standard and certifications:

1. International Building Code (IBC) 2009
2. California Building Code (CBC) 2010
3. ASCE / SEI 7-10
4. ANSI / ATSC 360-05
5. ACI 318-08
6. ASTM D2487

### Advices for Best Structure Design:

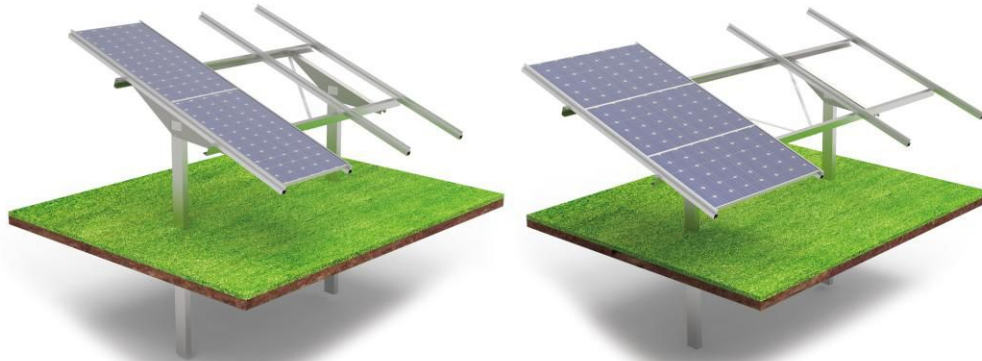
1. Module array: 2x20 in vertical or 4x10 in horizontal.
2. Height from panel bottom to ground: 0.6m.
3. Module size: Any type.
4. Module inclination: Based on the latitude of construction site.
5. Rail: Aluminum rail or steel rail.





## SOLAR GROUND RACKING SYSTEM

# CY Solar



Vertical 2-row configuration

Horizontal 3-row configuration

## SOLAR PLUG-IN RACKING SYSTEM

### Introduction:

This racking system is a single column one for larger scale installations that require faster build rates. 80% of the components are pre-assembled at factory. With CY Solar team's innovative spirit, all the parts are simplified and none of the components have welds or welded joints which allows the system to adapt perfectly to the surroundings. Besides, the single column not only saves the cost, but also easier the foundation installation work. For this racking system, you can choose aluminum rail or steel rail. But for the aluminum rail, it does not need any clamps to fix the panels. The panels only need to be inserted into the rail slot. So it very much saves the installation time and labor at site.

### Benefits:

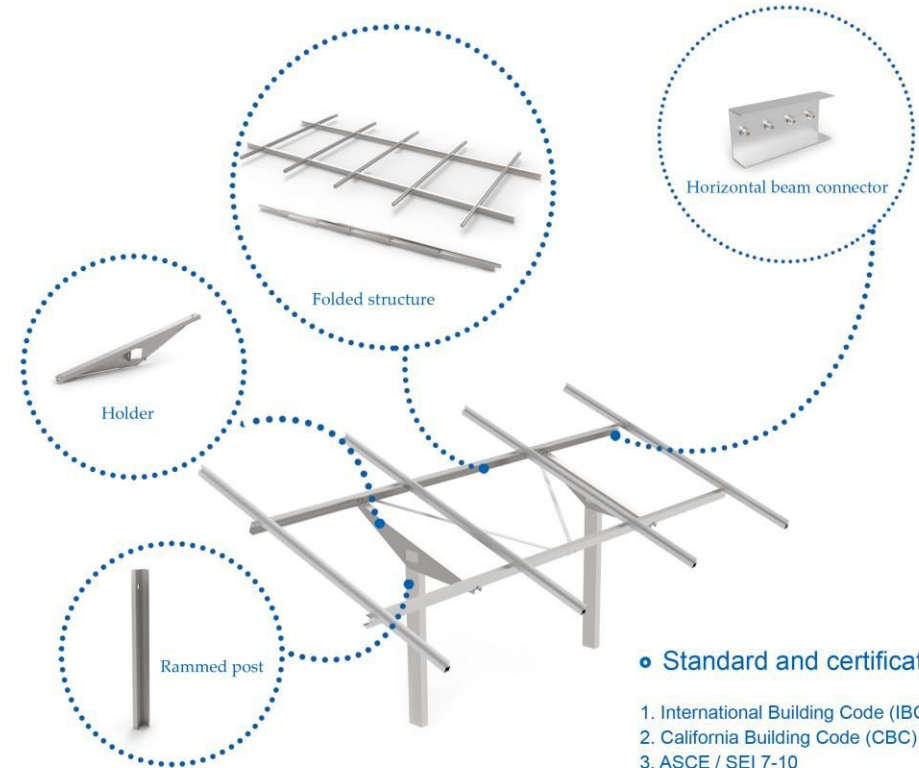
1. Factory pre-assembled components save time.
2. Single column foundation and folded structure easier the installation work.
3. Non-clamp fixation of the panel saves labor cost and installation time.
4. 80% pre-assembly components.
5. High strength steel attachment components.
6. Fewer ground penetrations than traditional ground mount systems, saving labor and materials.

### Technical data:

Applicable soil type	Gravelly soil, sandy soil, silt and clayey
Material	Hot dip galvanized steel, aluminum 6005 T5
Arrangement of module	2 rows in vertical/3 rows in horizontal
Connecting component	SS304 bolt
Wind load	40m/s
Snow load	0.95KN/m <sup>2</sup>
Warranty	15 years
Service life	30 years



### DETAILS OF STRUCTURE



### Standard and certifications:

1. International Building Code (IBC) 2009
2. California Building Code (CBC) 2010
3. ASCE / SEI 7-10
4. ANSI / ATSC 360-05
5. ACI 318-08
6. ASTM D2487

### Advices for Best Structure Design:

1. Module array: 2x20 in vertical or 3x10 in horizontal.
2. Height from panel bottom to ground: 0.6m.
3. Module size: Any type.
4. Module inclination: Based on the latitude of construction site.
5. Rail: Aluminum rail or steel rail.

