

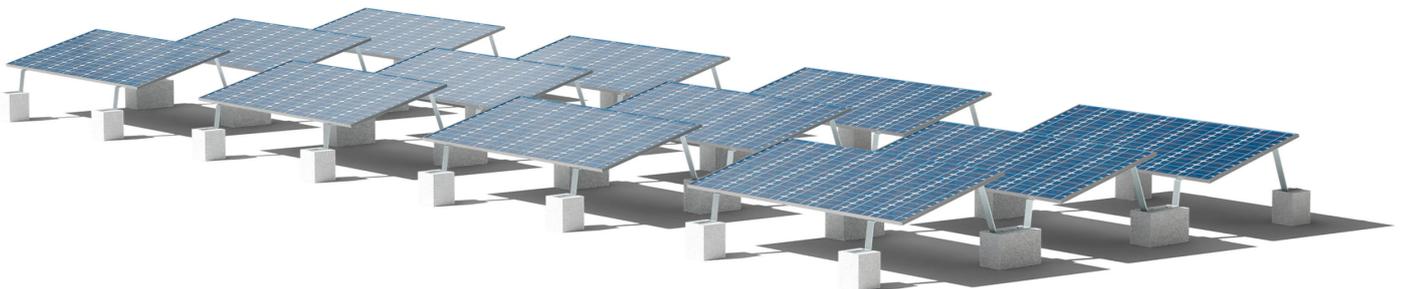
## Structure Drawing of Bracket Solution:

### Strictly follow below spec:

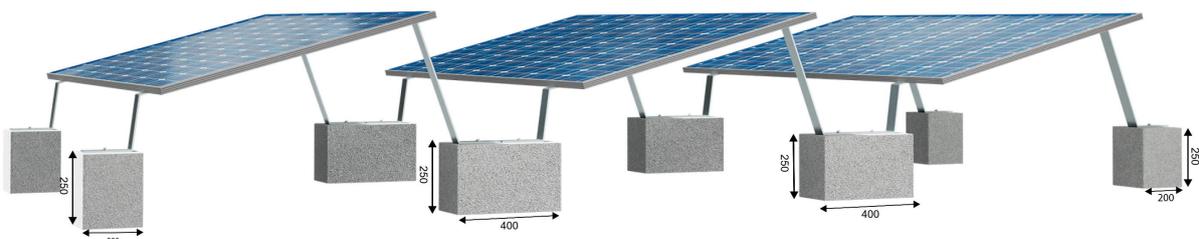
- Material -Q355.
- Hot-Dip Galvanized  $\geq 140$ micron (At any given point).
- Thickness:6mm.

### Key notes:

1. Concrete counterweight block dimensions updated. No internal rebar.
2. We will use 2 types of ballast:
  - (1) -400x200x250 for the pedestal which carries both brackets;
  - (2) 200x200x250 for the pedestal which will be at the end row carrying only one bracket .
3. Panel size :2382x1134x35.
4. Earthing hole on brackets relocated with  $\varnothing 8$ mm.
5. The ballast blocks and photovoltaic panels shown in the diagram are for installation illustration only.

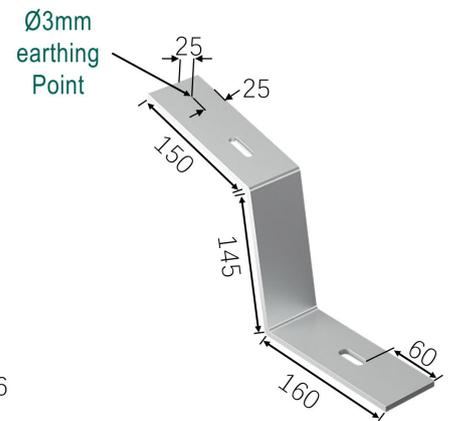
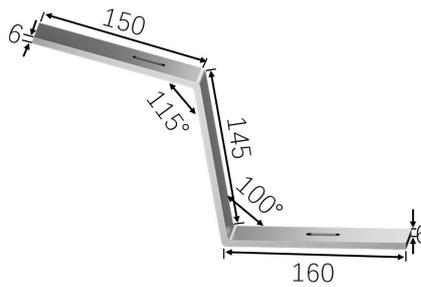
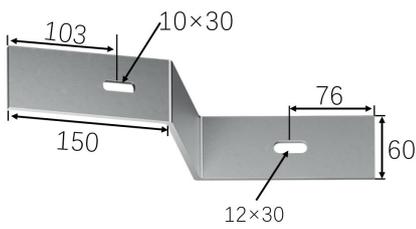


### Panel orientation section detail

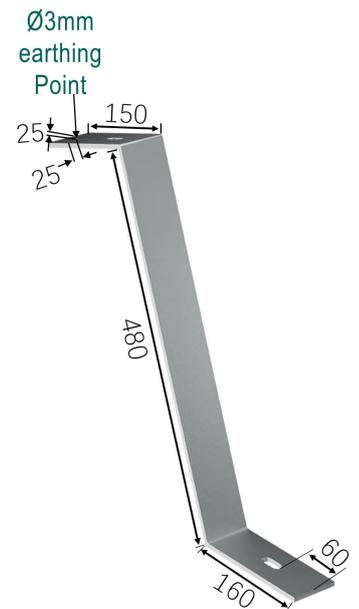
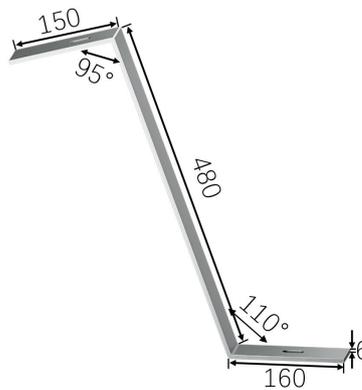
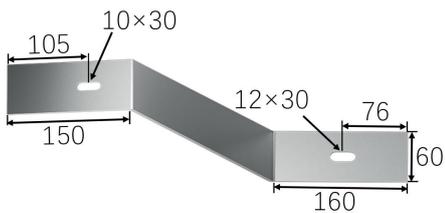


## Bracket Products Datasheet

### End Bracket-1



### End Bracket-2



Number	Name	Content	Value
1	Material	Low-alloy high-strength hot-rolled steel strip	Q355B
2	Product Steel Plate Thickness	The cross-sectional thickness of the steel plate	6mm
3	Surface Treatment (Anti-corrosion)	Hot-dip galvanizing	
4	Coating Mass	The total mass of zinc and/or zinc-iron alloy coating per unit area on the steel surface, expressed in g/m <sup>2</sup>	1000g/m <sup>2</sup>
5	Coating Thickness	The total thickness of the zinc and/or zinc-iron alloy coating on the steel surface, expressed in μm.	140μm
6	Adhesion	The main test methods specified in the standard are the bend test and the hammer strike test: 1. Bend test: The sample is bent 180° around a mandrel of a specified diameter, the zinc coating must not peel or flake off. 2. Hammer strike test: The zinc coating is struck with a hammer of a specified mass; the coating must not spall.	No peeling off
7	Salt Spray Resistance	Evaluated according to GB/T 10125 (Artificial atmosphere corrosion tests-Salt spray tests)	≥ 800 hours, no red rust
8	Weather Resistance (Corrosion Service Life)	The theoretical service life is estimated based on the ASTM A123/A123M standard by calculating the zinc coating thickness divided by the first-yea corrosion rate.	30 years
9	Appearance Requirements	Visual inspection: The main surfaces should be smooth, free from dross, roughness and zinc spikes (if these spikes could cause injury), and free from peeling, missed plating, or residual flux ash.	

## Bracket Products Datasheet

Heat No.	Coil No.	Steel Grade	Chemical Composition(wt%)									Tensile Test			Bend Test (B.T180°)		Impact Test	
			C	Mn	Si	P	S	Ni	Cr	Als	Y.S. (MPa)	T.S. (MPa)	EL. (%)	d	Result	Temp.(°C)	Absorbed Energy/J	
			3	2	3	3	3	3	3	3								
			$1=\times 10^{-1}$				$2=\times 10^{-2}$		$3=\times 10^{-3}$		$4=\times 10^{-4}$							
HSLA (Hot-rolled high-strength low-alloy steel strip)	Grade 1	Q355B	164	34	174	16	4	34	130	28	475	563	28.5	2.0a	Up to standard	20	146,143,138	

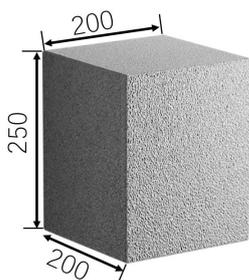
### SOLR PANEL SIZE



SOLAR PANEL SIZE  
2382×1134×35

### OPTION 1

Ballast size  
For end panels



Ballast size  
For center panels

