



Product Family Selection Guide

Five controlled product-family records and the inputs required before project release

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Purpose

Give procurement, engineering and project teams a concise route from product family to configuration, application, evidence and quotation inputs without presenting catalog examples as approved designs.



Controlled boundary

This document summarizes website-published information. It is not a quotation, contract, certificate, structural calculation, approved drawing, inspection result or warranty. Confirm the applicable entity, product configuration and document revision for each order.



SELECTION WORKFLOW

Identify, define, select and release

01 IDENTIFY Family, application, interfaces	02 DEFINE Loads, site, environment, standards	03 SELECT Configuration by calculation and review	04 RELEASE Approved drawings, ITP and commercial scope
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Control rule

A public family record supports inquiry planning. The approved calculation, drawing, bill of material, quotation, inspection plan and contract control the order. A catalog dimension or website statement is not an approved capacity or configuration.

FAMILY OVERVIEW

Controlled records at a glance

Code / family	Selection basis	Published limitation
EBY-GS-FAMILY Ground Screw & Helical Foundation Family	Select shaft form, helix or lead geometry, length, section, extensions, head connection and corrosion system from the site investigation, load cases, installation method, tests and project standards.	No universal capacity, torque correlation, soil suitability, coating life or installation rate is stated.
EBY-PV-FIXED Fixed PV Mounting Family	Select table geometry, tilt, post and rail arrangement, bracing, clamps, foundations or roof attachments, materials and coating from the design basis and approved layout.	No universal span, tilt, wind resistance, material thickness, energy yield or foundation arrangement is approved.
EBY-PV-TRACKER Solar Tracking System Family	Select row length, torque transmission, bearings, drives, module arrangement, foundations, sensors, controls and stow logic through structural, dynamic, controls and availability review.	No universal gain percentage, stow angle, wind speed, row length, availability or operating outcome is stated.
EBY-PV-FLEX Flexible PV Mounting Family	Select span arrangement, flexible member, pretension, sag, supports, anchors, damping or restraint, module interface and erection sequence through nonlinear structural and dynamic review.	No universal maximum span, sag, pretension, deflection, wind resistance or module arrangement is stated.
EBY-STEEL-CUSTOM Custom Steel Structure Family	The approved project bill of material and drawing set controls member sizes, grades, connections, tolerances, welds, NDT, coating, trial assembly, packing and interfaces.	No universal member, execution class, inspection frequency, coating life, capacity, tonnage or delivery result is stated.



Ground Screw & Helical Foundation Family

Steel screw and helical foundation routes for project-specific axial, lateral and moment demands where geotechnical conditions, installation feasibility, interfaces and corrosion design are reviewed before release.

Configuration basis

Select shaft form, helix or lead geometry, length, section, extensions, head connection and corrosion system from the site investigation, load cases, installation method, tests and project standards.

REQUIRED PROJECT INPUTS

- Site investigation and groundwater
- Compression, tension, lateral and moment load cases
- Structure interface, tolerances and design life
- Access, equipment limits and obstructions
- Corrosion and inspection requirements
- Design, test and acceptance route

RELEASE CHECKPOINTS

Gate	Minimum check
Design basis	Governing loads, standards, site/environment and responsibility are named.
Configuration	Geometry, material, connections, protection and interfaces are documented.
Verification	Calculations, tests, inspection and acceptance criteria are agreed where applicable.
Commercial scope	Quantity, packaging, documents, Incoterm, schedule and exclusions are stated.
Controlled release	Approved revisions are linked to the quotation, production and inspection route.

Public limitation

No universal capacity, torque correlation, soil suitability, coating life or installation rate is stated.

First-party source: <https://eastbaoyu.com/screw-piles/>

Controlled master data and current generated sheets: <https://eastbaoyu.com/product-data/>



Fixed PV Mounting Family

Project-configured fixed PV support structures for ground, roof, carport and other defined interfaces.

Configuration basis

Select table geometry, tilt, post and rail arrangement, bracing, clamps, foundations or roof attachments, materials and coating from the design basis and approved layout.

REQUIRED PROJECT INPUTS

- Site, topography and array layout
- Module dimensions, mass and clamp zones
- Wind, snow, seismic and other loads
- Foundation or roof survey and allowable actions
- Drainage, movement, access and sequence
- Material, coating and document requirements

RELEASE CHECKPOINTS

Gate	Minimum check
Design basis	Governing loads, standards, site/environment and responsibility are named.
Configuration	Geometry, material, connections, protection and interfaces are documented.
Verification	Calculations, tests, inspection and acceptance criteria are agreed where applicable.
Commercial scope	Quantity, packaging, documents, Incoterm, schedule and exclusions are stated.
Controlled release	Approved revisions are linked to the quotation, production and inspection route.

Public limitation

No universal span, tilt, wind resistance, material thickness, energy yield or foundation arrangement is approved.

First-party source: <https://eastbaoyu.com/solar-mounting/fixed-pv-bracket/>

Controlled master data and current generated sheets: <https://eastbaoyu.com/product-data/>



EBY-PV-TRACKER

Solar Tracking System Family

Project-configured tracking structures and control interfaces coordinated with wind, stow, drive, foundation, module, terrain, electrical and operating requirements.

Configuration basis

Select row length, torque transmission, bearings, drives, module arrangement, foundations, sensors, controls and stow logic through structural, dynamic, controls and availability review.

REQUIRED PROJECT INPUTS

- Site, row layout and terrain
- Module, inverter and electrical information
- Wind basis and stow load cases
- Drive, sensor, power and communications
- Foundation actions and tolerances
- Availability, maintenance and handover

RELEASE CHECKPOINTS

Gate	Minimum check
Design basis	Governing loads, standards, site/environment and responsibility are named.
Configuration	Geometry, material, connections, protection and interfaces are documented.
Verification	Calculations, tests, inspection and acceptance criteria are agreed where applicable.
Commercial scope	Quantity, packaging, documents, Incoterm, schedule and exclusions are stated.
Controlled release	Approved revisions are linked to the quotation, production and inspection route.

Public limitation

No universal gain percentage, stow angle, wind speed, row length, availability or operating outcome is stated.

First-party source: <https://eastbaoyu.com/solar-mounting/solar-tracking-bracket/>

Controlled master data and current generated sheets: <https://eastbaoyu.com/product-data/>

Flexible PV Mounting Family

Project-configured cable or flexible-member PV support routes for defined spans, sag, pretension, anchors, dynamic response, access and inspection.

Configuration basis

Select span arrangement, flexible member, pretension, sag, supports, anchors, damping or restraint, module interface and erection sequence through nonlinear structural and dynamic review.

REQUIRED PROJECT INPUTS

- Site geometry, obstacles and clearance
- Module layout, mass and connections
- Wind, snow, seismic and temperature
- Spans, sag, pretension and tolerances
- Anchor and support conditions
- Erection, tensioning and inspection procedure

RELEASE CHECKPOINTS

Gate	Minimum check
Design basis	Governing loads, standards, site/environment and responsibility are named.
Configuration	Geometry, material, connections, protection and interfaces are documented.
Verification	Calculations, tests, inspection and acceptance criteria are agreed where applicable.
Commercial scope	Quantity, packaging, documents, Incoterm, schedule and exclusions are stated.
Controlled release	Approved revisions are linked to the quotation, production and inspection route.

Public limitation

No universal maximum span, sag, pretension, deflection, wind resistance or module arrangement is stated.

First-party source: <https://eastbaoyu.com/solar-mounting/flexible-pv-bracket/>

Controlled master data and current generated sheets: <https://eastbaoyu.com/product-data/>



EBY-STEEL-CUSTOM

Custom Steel Structure Family

Fabricated building, bridge, power, industrial and special steelwork released from project calculations, drawings, schedules and document requirements.

Configuration basis

The approved project bill of material and drawing set controls member sizes, grades, connections, tolerances, welds, NDT, coating, trial assembly, packing and interfaces.

REQUIRED PROJECT INPUTS

- Design basis, model, loads and combinations
- Members, connections and responsibility
- Materials, toughness, welding and bolting
- Fabrication standard and inspection level
- Corrosion, fire and architectural needs
- Transport, lifting, temporary stability and erection

RELEASE CHECKPOINTS

Gate	Minimum check
Design basis	Governing loads, standards, site/environment and responsibility are named.
Configuration	Geometry, material, connections, protection and interfaces are documented.
Verification	Calculations, tests, inspection and acceptance criteria are agreed where applicable.
Commercial scope	Quantity, packaging, documents, Incoterm, schedule and exclusions are stated.
Controlled release	Approved revisions are linked to the quotation, production and inspection route.

Public limitation

No universal member, execution class, inspection frequency, coating life, capacity, tonnage or delivery result is stated.

First-party source: <https://eastbaoyu.com/steel-structures/>

Controlled master data and current generated sheets: <https://eastbaoyu.com/product-data/>



BUYER HANDOFF

Submit a complete configuration brief

A complete brief reduces avoidable assumptions and helps the supplier identify missing data before pricing or engineering release.

Input group	Include
Project and jurisdiction	Location, end use, owner requirements, governing codes and target dates
Technical basis	Loads and combinations, site/environment, interfaces, design life and performance criteria
Product definition	Family, arrangement, quantities, drawings/models, materials, coating and tolerances
Quality and evidence	ITP, hold/witness points, material records, welding/NDT/coating requirements, reports and retention
Commercial and logistics	Delivery location, Incoterm, batch split, packing, marks, schedule and document deadlines
Confidentiality	NDA, controlled information and secure-file-transfer route

Request route

Send the product family, project country, configuration, quantity, required standards and document list through the quotation form. Contact East Baoyu first before sending confidential or controlled files.

Quotation: <https://eastbaoyu.com/get-a-quote/>

Evidence requests: <https://eastbaoyu.com/evidence-center/>