

# UNBOX

## THE POWER OF THE SUN

Introducing the **Solar Megawatt Box**  
The Pre-Engineered and Pre-Designed Solution  
To Quickly and Easily Assemble a 5MW PV+Tracker Project

Trina Solar, the global leader in smart solar solutions, continues to advance the PV industry through constant innovation and popularization of PV power and renewable energy. To make community solar, C&I solar, and utility-scale solar adoption **easier** and **more accessible**, Trina Solar is proud to announce the launch of **the Solar Megawatt Box** – a **pre-engineered** and **pre-designed** package that's ready to assemble right out of the box.

The **Solar Megawatt Box** is the **perfect solution** for those seeking a cost-effective option to assemble a 5MW solar plant quickly and easily, such as:

- Utilities trying to meet Renewable Portfolio Standards (RPSs) or install a token system
- Electric cooperatives looking for community solar projects
- Manufacturing or C&I operations trying to reduce their energy bills
- Small system operators
- EPCs and project developers
- And many more applications



### WHAT'S IN THE BOX?

The **Solar Megawatt Box** is the **all-in-one solar solution** containing all the necessary components to swiftly and effortlessly assemble a scalable 5 MW solar, including:

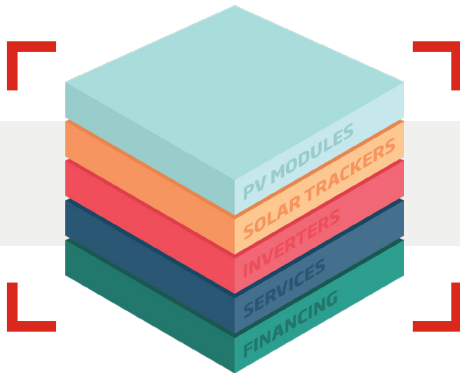
- < Trina Vertex 530W Bifacial PV Modules
- < TrinaTracker Vanguard 2P Single Axis Tracker
- < Sungrow String Inverters
- < The TrinaPro Solution of services
- < Financing for direct ownership or Power Purchase Agreement (PPA)

The pre-engineered and pre-designed parts & pieces included in the **Solar Megawatt Box** make assembly **quick, simple, and easy** to provide **certainty** in project **design, price, and timeline**.

## WHY USE THE SOLAR MEGAWATT BOX?

**Eliminate the guesswork, time, labor, and money spent** on optimizing the design of a site-specific solar and tracker project with this turnkey solar package dedicated to specific site conditions. Instead of designing a solar project with products and components from a wide range of companies, Trina Solar's PV modules, the TrinaPro Solution, and TrinaTracker were all expertly designed to work harmoniously together to reduce balance-of-system (BOS) costs, optimize performance, and lower LCOE. If you're looking for engineering to go smoothly with on-time delivery and quick assembly, the standardized "Solar Megawatt Box" ensures:

- **Easy & Rapid** assembly:
  - Non-intensive engineering and design approach
  - Fewest labor hours for high MW output
  - Reduction of materials and components
- **A Wide Range** of installation tolerances for efficient land use on all types of terrain
- **Optimized leveled cost of electricity (LCOE)** for shorter lead times to Commercial Operation Date (COD)
- **Better project economics** for a simple and cost-effective PV project and higher IRR



## MODULES

### PV Modules

- Trina Vertex 530W Bifacial PV Modules
- 210mm solar technology for ultra-high power, ultra-high efficiency, and lower LCOE
- Dual-glass bifacial module design to harvest sunlight from front and back sides
- "AAA" ranking from PVModuleTech Bankability Report
- "Top Performer" for 8 consecutive years in PVEL PV Module Reliability Scorecard
- Exceptional performance in mechanical load reliability testing for:
  - Static load, dynamic load, non-uniform snow load, wind speeds, extreme low temperature, and hail storms

## INVERTERS

### Sungrow SG250HX 250kW Inverters

- 36 modules per string
- Suitable for locations with the lowest temperature from 0 degrees C to -10 degrees C

## Standard Package Component Specifications and Services

(All listed to UL Standards)

## TRACKERS

### TrinaTracker Solar Trackers

- TrinaTracker Vanguard 2P Single Axis Tracker Package, including:
  - Pre-engineered Trina mounting hardware for an overall reduction in cost and labor
  - Patented spherical bearing and W-type double-post four-row steel-piles for easy installation
  - No linked rows and short step tolerance for shorter tracker rows
  - PE-stamped tracker drawings
  - Multi-drive linear actuator system
  - 55-degree East/West rotation
  - 105 mph max wind load (ASCE 7-16, CAT 1)
  - 10 psf max ground snow load (ASCE 7-16, CAT I)
  - Slope tolerance of < 5% slope in all directions
- Wireless TrinaTracker TCU/NCU Controls Package
  - SuperTrack smart algorithm to increase power generation by up to 3-8%
  - Wireless/NFC mesh LoRa/ZigBee Communication
  - 1 NCU with weather station with wind and snow sensor
- Nuts and bolts module fixing
- Spare parts included

## SERVICES

### TrinaPro Services

- TrinaTracker Field Assembly Training and Tracker Commissioning
- Geotechnical review
- 2 weeks of technical field support

## FINANCING

- Financing for direct ownership or Power Purchase Agreement (PPA)

Project locations that meet the technical and environmental conditions will be considered for this standardized solar tracker package. Please provide site coordinates and topographic and geotechnical reports for evaluation and foundation design finalization.