BIG SUN
―Your Best Energy―

iPV 智慧農業大棚
SMART FARM

太陽光電與現代農業的完美結合
Perfect Integration of Solar Power and Modern Agriculture
Low utilization of land

Land subsidence

The excessive extraction of underground water is the reason for serious land subsidence. The groundwater-related subsidence occurs in the areas lack of water resources, coastal areas in low terrain, and places with complex design of drainage. It results environmental crisis such as soil salinization and seawater encroachment.

Land lying fallow

75% of farmers need extra earning from other businesses. The evolvement in environment, and the import of crops also let land lie fallow inevitably.

Revitalized fallow lands.

Extra earnings from solar energy.

Provide self-sufficient electricity, lowering carbon dioxide.

Produce organic crops.

Fight against climate change, land preservation.

Aging Labors

Young generation prefer jobs in high-density cities instead of working in agricultural fields. This results in agricultural production decrease and excessive fallow lands.
結合農光，效益倍增
Agro solar, double the benefits

活化農地 不污染
Revitalizing, zero pollution
規劃高經濟農業，發展高品質、無污染、現代新取向的產品
（如咖啡、有機產物）。
Developing high value crops such as coffee beans and organic vegetables.

調節日照 高效益
Maximum efficiency
依日照需要遠端操控追日角度，有效增加發電量及降低強照射
對植物造成的傷害。
Remote control for perfect angles for optimal energy and protect plantation from irradiation.

太陽發電 沒輻射
No radiation in PV system
潔淨能源無核災危機，保障人及產物。
Nuclear free, guaranteed safety for human being and products.

創新農光 新世代
Innovative agro solar
物聯網時代，農光科技化的結合，讓青年更樂於投入。
Combining agriculture and technology to boost interests for younger generation.

休閒農業 新風貌
Leisure agro
結合產業特色與自然景觀資源，運用雙軸追日特性，建構休閒
農業，拓展農業觀光。
With unique solar trackers, people can enjoy to watch its mechanical movement while taking care of the farm.

永續發展 環保心
Sustainability
再生材料及鋼骨架構，可回收再利用。
Recyclable materials and metal structure.
1. 耐用結構 Reliable Structure
   抗氧化高氦鋼材，堅固耐用
   High-strength steel, simple single-axis operation system

2. 智慧監控 Smart Monitoring
   無線/即時/可攜式
   Smart/Real-time/Portable

3. 與遮陽控制
   陽光控制
   Sun tracking control

4. 精準追日 Accurate Sun Tracking
   精準追日系統讓陽光恆常照耀，提升發電效率。
   The PV Tracker has been designed as a robust, stable, and accurate solution for sun tracking in any environment. It adapts to changes in altitude and is particularly suitable for tracking the sun in the Northern Hemisphere.

5. 高透光率 Solar-shared Farming
   高透光率
   Solar-shared Farming
   土地利用效率高，收益更佳，適合農業營運和商業投資。
   As the module tracks, the PV system provides the land from intense solar radiation for farming.

6. 科技農園 Versatile Uses
   綜合實用
   Versatile uses
   多用途，可應用於農業、畜牧業、家庭更。
Diversified Applications and Benefits

- 太陽能發電收入
  Earnings from PV electricity
- 農作物產出收入
  Earnings from agricultural crop
- 電廠經營收入
  Revenue from resale of PV system
- 土地增值收入
  Land appreciation
- 青年返鄉永續農業
  Sustainability in agriculture with young generation
- 環境維護世界公民
  Environmental protection