

# PFSS

Plant Factory with Solar System

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## 恩發能源 PFSS

## 太陽能植物工廠系統 Plant Factory with Solar System

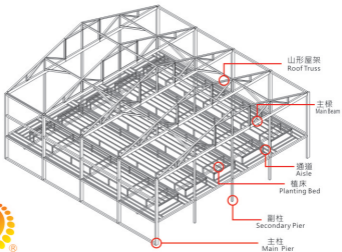
自21世紀以來，依聯合國組織的食品價格與能源指數，糧食與能源的價格大幅上漲，造成許多國家百姓民生的困擾與不安。對於未來的糧食與能源危機的來臨，我們更應事先致力改善。此外，食品安全的問題也層出不窮，影響的層面更是全球性；然而，能源短缺的問題，則需要人民一同來重視，也因此這些問題已不是單一國家或地區的問題，更成為全球必須共同面對的事實。

Since the 21st century, the increasing global food and energy price has caused a lot of socio-economic, developmental, political and security-related consequences. By the coming of food and energy crises, we should try to solve with our efforts. Meanwhile, food safety issue further complicates the problem in the world; however, people also need to put emphasize on the issue of energy shortage.

Therefore, these are not merely national or regional issues, but a fact we have to face immediately.



# 太陽能植物工廠系統 Plant Factory with Solar System



透視圖 Perspective Drawing



**SMILE  
SOLAR**

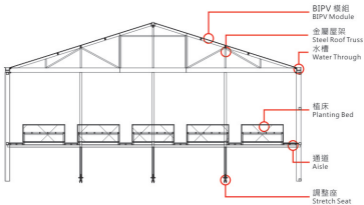
微笑傳承 永保幸福

## 太陽能植物工廠系統 Plant Factory with Solar System

- ☐ 高效率 High Efficiency
- ☐ 自然種植 Natural Planting
- ☐ 節省能源 Energy Saving
- ☐ 數位監控 Monitoring Control

## 穩定&環控的溫室環境 Stable&Isolated Environment

- ☐ 密閉式負壓設計  
Closed & negative pressure control.
- ☐ 隔熱效果佳的太陽能BIPV模組  
Temp. isolated by BIPV module covering.
- ☐ 高架土壤植床種植  
Elevated soli planting bed.
- ☐ 監控溫度、濕度、空氣、日照等生產要素  
Monitoring of temp., humidity, air, sunshine, etc.
- ☐ 溫室結構強化足以抵擋颱風等級強風  
Robust greenhouse structure against hurricane.



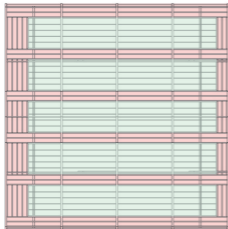
剖面圖 Section Drawing



恩發能源科技股份有限公司  
SMILE SOLAR ENERGY CO., LTD.

## 七大特色 7 Key Advantages

- 超高效率生產模式-省水、省電、省地  
High efficient production mode-save water and land.
- 堅持採自然種植方式-陽光、空氣、水與土壤  
adhered to natural planting-Sun, Soil, Water and Air.
- 潔淨天然種植技術(無基改、無農藥、自製有機肥)  
Cleaning Planting-No GM, No pesticide usage, self-made organic.
- 電力自給自足供應-太陽能發電  
Self-sufficient power by solar power.
- 水資源自給自足供應-雨水回收與處理  
Self-sufficient water by rain water reclaim and sanitization.
- 無地域、氣候限制、反季節耕種  
Flexible location and climate selection, Reverse-season.
- 提供一個可預測&可獲利的整場輸出營運模式  
A predicable & profitable business model.



平面單元 Plane Unit

- 通道 Aisle
- 植床 Planting Bed



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