

台灣 TAIWAN

工研院 六甲分院
ITRI Southern Region Campus
工研院 沙崙分院
ITRI Green Energy Technology Demonstration Site
工研院 彰濱太陽能光電廠域
ITRI CHCIP Solar Plant Site
美光科技
Micron Technology
日月光半導體
ASE Technology Holding Co., Ltd.
中華電信
CHT
歷史博物館
National Museum of History
中油
CPC

中國 CHINA

昆山 Kunshan
廈門 Xiamen
寧波 Ningbo
惠州 Huizhou
廣州 Guangzhou

日本 JAPAN

東京 社區儲能系統
Tokyo Community Energy Storage System

越南 VIETNAM

河靜廠 Ha Tinh Factory
仁澤廠 Renze Plant

美國 USA

德克薩斯州廠
NPC-Texas

印尼 INDONESIA

小型儲能 Small-scale Energy Storage System

菲律賓 PHILIPPINES

APEC電廠 APEC Power Plant



新智能解決方案

SMART ENERGY SERIES

循環
Recycling

新能源
New Energy

儲能
Energy Storage

節能
Energy-saving

FORMOSA
SMART
ENERGY



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WEBSITE



台塑新智能
FORMOSA SMART ENERGY

從太陽能、風能，到潮汐能、地熱能，再到生物能、氫能等，

新能源以其可再生和環保的特性，

被認為是我們走向永續發展的重要途徑。

這些新能源不僅可以幫助我們降低對傳統能源的依賴，

從而緩解環境暖化問題，

同時也有可能開創出一種新的經濟發展模式，

為未來的社會發展提供持久的動力。

From solar and wind energy, to tidal and geothermal energy, and then to biomass and hydrogen energy, renewable energy is considered important pathways towards sustainable development due to its features of regeneration and environmental protection.

Renewable energy not only helps us reduce reliance on traditional energy and alleviate the global warming, but also potentially creates a new economic development model in order to provide lasting power for future society.

1,000座
以上的建置實績
Over 1000 ESS
Field Experiences

全球超過
10個建置地
Over 10 Construction Sites
Around the World

15年
以上的經驗累積
Over 15 Years
Experiences

產品索引 PRODUCT OVERVIEW

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▶ 可靠技術
Trustworthy

▶ 組織系統
Systematic

▶ 簡單安全
Safe

▶ 智慧平衡
Intelligent

2008

台塑生醫成立「台塑鋰鐵材料科技」專注於氧化鋰鐵磷正極材料的研發、生產與銷售。

Formosa Biomedical Technology Corp. established "Formosa Lithium Iron Material Technology" to focus on the research, development, production and sales of lithium iron phosphate cathode material.

2010

成立台塑生醫電池專案組。南亞與友達光電陸續採用台塑生醫的鋰鐵模組來替換原有的鉛酸電池。

Set up Formosa Biomedical Battery Team. Nan Ya Plastics Corp. and AUO Corporation have successively adopted FBC's LFP modules to replace their original lead-acid batteries.

2012

開始外銷到美國、中國、越南、菲律賓等地。國內外廠商陸續採用鋰鐵電池來汰換舊有的鉛酸電池。

Started exporting to the United States, China, Vietnam, Philippines and other countries. Local and foreign manufacturers have successively adopted LFP batteries to replace their lead-acid batteries.

2018

推動鋰鐵電池模組100%自產。並取得UL、IEC、S-JET、UL JAPAN及UN38.3等指標性認證。

Promote 100% self-production of LFP batteries and modules.

Our products were certified by third-party safety laboratories according to UL, IEC, S-JET, UL JAPAN and UN 38.3.

2020

發展兆瓦級儲能系統(MW)並參與工研院主導之區域儲能示範驗證計劃，於彰濱設置1.5MW/1.5MWh儲能系統。

Developing megawatt-level (MW-level) energy storage systems and setting a 1.5MW/1.5MWh energy storage system in Changhua Coastal Industrial Park for the Forward-looking Infrastructure Demonstration Program led by ITRI.

2022

由台塑四寶及台塑生醫合資成立台塑新智能科技公司。於台塑生醫彰化廠建置1.2MW/1.3MWh的儲能系統，並於2022/10開始參與台電的日前輔助市場。

Formosa Smart Energy Tech Corp. was newly established as a joint venture between Formosa Plastics Corp., Nan Ya Plastics Corp., Formosa Chemicals and Fibre Corp., Formosa Petrochemical Corp. and Formosa Biomedical Technology Corp. A 1.2MW/1.3MWh energy storage system was built at FBC's Changhua plant and began participating in Taipower's Day-Ahead Ancillary Service Market in Oct, 2022.

2024~

台塑新智能科技公司在彰濱工業區分別設置電池模組廠及鋰鐵電芯廠(台塑尖端能源)，於2024年下半年完工量產(2.1GWh);預計2025年再投入第二期擴建(2.9GWh)。

FSE Tech Corp. set up the battery module factory and the LFP battery cell factory (Formosa AdvEnergy Technology Corp.) in Changbin. Mass production of phase 1 (2.1 GWh) has completed in 2024 and phase 2 of 2.9 GWh capacity will be put into operation in 2025.



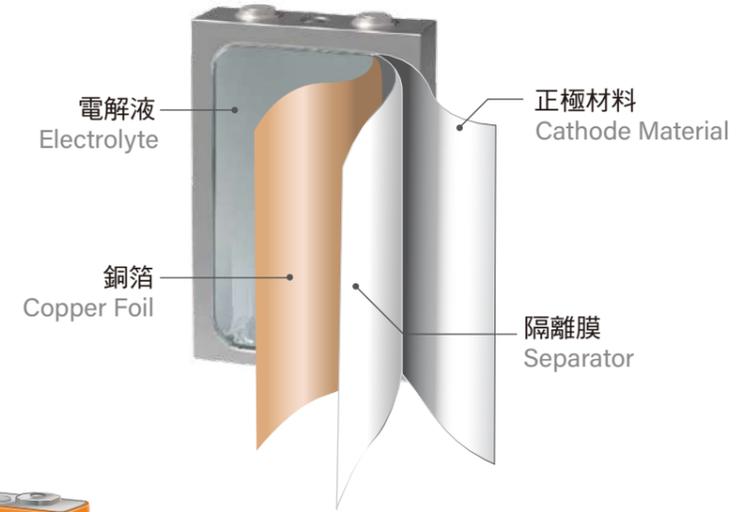
All Made in Taiwan

全台最大鋰鐵電芯廠 彰濱尖端電芯廠

可平抑電網波動的區域型電力緩衝及儲存系統逐漸成為主流趨勢，
 除此之外，亦可增加傳統電廠發電效率與再生能源滲透率，
 台塑新智能儲能系統是建立於主、從架構與模組化設計下逐步延伸擴充，
 並使用台灣唯一經過廣泛驗證的電池管理系統，
 可使儲能系統在各種應用中達到最佳化，使客戶獲得更多，付出更少。

Regional power buffering and energy storage system for stabilizing the grid frequency become a mainstream trend. In addition, It can also increase the power generation efficiency of traditional power plants and the penetration rate of renewable energy.

Energy storage systems of FSE (Formosa Smart Energy Tech Corp.) are based on primary-secondary architecture and modeled design and extended gradually. Our systems also integrate our own battery management system (BMS) and optimize various applications, which has been verified extensively in Taiwan.



電芯認證 Certification



能量型
Energy Cell

功率型
Power Cell

67Ah

50Ah

尺寸(含外包膜)

DIMENSION
(INCLUDING OUTER FILM)

D43.2 * W100 * H141 mm

D43.2 * W100 * H141 mm

能量密度

ENERGY DENSITY

175 Wh/kg

143 Wh/kg

體積能量密度

VOLUME ENERGY DENSITY

353 Wh/L

279 Wh/L

25°C迴圈壽命

25°C CYCLE LIFE

≥4000周

≥3000周

45°C迴圈壽命

45°C CYCLE LIFE

≥2000周

≥1500周

重量

WEIGHT

1235 ± 37g

1192g ± 35g

用途

APPLICATION

適用於儲能櫃、
家用儲能、電動車
C&I, Home ESS, EV

適用於UPS、電動機具及
高功率動力輸出
UPS, Electric Vehicle,
High-power Output

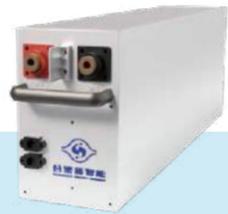
● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.

全方位守護，安心不斷電

Comprehensive Protection For Uninterrupted Power Supply

LFP BATTERY PACK

電池模組



Battery Series 單顆
24V50Ah / 24V67Ah



Battery Series 單顆
48V50Ah



Battery Series 單顆
12V134Ah

項目 Item	24V UPS 不斷電系統應用		48V UPS 不斷電系統應用	12V DC Charger 直流機系統應用
	24V50Ah	24V67Ah	48V50Ah	12V134Ah
規格 Specification				
型號 Model	LFP-24V050AH-B	LFP-24V067AH-B	LFP-48V050AH-B	LFP-12V134AH-B
電壓 DC Voltage	25.6 V	25.6 V	51.2 V	12.8 V
容量 Capacity	1.28 KWh	1.72 KWh	2.56 KWh	1.72 KWh
最大充電電流 MAX Charging Current	100 A (2C)	67 A (1C)	100 A (2C)	110 A (0.8C)
最大放電電流 MAX Discharging Current	325 A (6.5C)	110 A (1.6C)	400 A (8C)	130 A (0.97C)
配置 Configuration	8S1P	8S1P	16S1P	4S2P
尺寸 Dimension D*W*H	575*130*208 mm	575*130*208mm	832*140*200mm	351*221*184mm
重量 Weight	17 kg	17 kg	32.7 kg	13.6 kg

● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.

LFP BATTERY PACK

電池模組



Battery Series 單顆
48V67Ah



Battery Series 單顆
48V134Ah

48V ESS 儲能系統

規格 Specification	48V67Ah	48V134Ah
型號 Model	LFP-48V067AH-A	LFP-48V134AH-A
電壓 DC Voltage	51.2 V	51.2 V
容量 Capacity	3.43 KWh	6.86 KWh
最大充電電流 MAX Charging Current	53.6 A (0.8C)	110 A (0.8C)
最大放電電流 MAX Discharging Current	110 A (1.6C)	110 A (0.8C)
配置 Configuration	16S1P	16S2P
尺寸 Dimension D*W*H	612*221*184mm	950*235*181mm
重量 Weight	30 kg	57 kg

● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.

長達十五年以上的變革

Transformations lasting over 15 years

依循台塑企業「勤勞樸實，止於至善」的共同工作精神，所有電池模組都經過標準組裝，以及兩次以上的充放電流程檢測、配對，提供客戶完美的電池系統。

In accordance with the Formosa Plastics Group's collective working spirit of "diligence, perseverance, frugality and trustworthiness, and strive for excellence", all battery modules undergo the standard assembly process as well as charging and discharging testing and matching at least twice, thereby providing customers with perfect battery systems.





Rack 機櫃
480V50Ah

UPS 電池系統
半導體廠備援專用
UPS System for
Semiconductor Factory Backup



Rack 機櫃
480V100Ah

UPS 電池系統
數據中心備援專用
UPS System for
Data Center Backup



UPS 應用電池系統

項目 Item	廠辦備援專用 Factory Backup		數據中心備援專用 Data Center	直流機應用系統 DC Charger
規格 Specification	480V50Ah	480V67Ah	480V100Ah	108V134Ah
型號 Model	US050-160IMS5	US067-160AMS1	US050-160JMS7	DC134-036BPS1
電壓 DC Voltage	512 V	512 V	512 V	115.2 V
容量 Capacity	25.6 KWh	34.3 KWh	51.2 KWh	15.4 KWh
最大充電電流 MAX Charging Current	100 A (2C)	67 A (1C)	200 A (2C)	110 A (0.8C)
最大放電電流 MAX Discharging Current	325 A (6.5C)	110 A (1.6C)	800 A (8C)	130 A (0.97C)
配置 Configuration	20S1P	20S1P	10S2P	9S1P
尺寸 Dimension D*W*H	800*600*2100mm	800*600*2100mm	914*668*1850mm	800*650*1600mm
重量 Weight	563 kg	563 kg	877 kg	278kg

● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.



戶外型儲能系統 Outdoor ESS

規格 Specification	768V134Ah
型號 Model	ES134-256CMF2α
電壓 DC Voltage	819.2 V
容量 Capacity	109.77 KWh
最大充電電流 MAX Charging Current	100 A (0.7C)
最大放電電流 MAX Discharging Current	110 A (0.8C)
配置 Configuration	16S1P
尺寸 Dimension D*W*H	1000*1250*2550mm
重量 Weight	1325 kg
配備 Equipment	空調系統、消防系統 煙偵感測器、偵溫感測器 Air conditioning, Firefighting Equipment, Smoke Detector, Temperature Sensor

● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.





全方位守護，安心不斷電

Comprehensive Protection For Uninterrupted Power Supply

COMMERICAL & INDUSTRIAL ENERGY STORAGE SYSTEM

工商儲能系統

電芯一致性 CELL CONSISTENCY

全系統動態智慧平衡 Dynamic Smart Balancing System

可以修正電芯製作過程中的細微電氣差異，並補償充電直流阻抗的時間衰變，除了延長電池系統安全使用壽命，並可合理擴大電池可操作範圍，提升電池系統穩定性。

Correcting subtle electrical differences during the cell manufacturing process and compensating for the time decay of charging DC resistance, extending the safe lifespan of the battery system while reasonably expanding the operational range and enhancing system stability.



分層架構管理
Hierarchical BMS



智慧平衡系統
Smart Balancing System



子系統互相備援
Auto Recovery
Redundancy



雙重保護
Double Protection

BMS功能 BMS FEATURES

保護板架構符合IEC/UL60730-1認證
Passed IEC/UL60730-1 Certification

擁有智慧平衡演算、二階隔離控制系統、子系統可相互備援，自動復歸、多重隔離高安全電源與遠端控制系統、可進行高精度非接觸的安時量測計算。

Including smart balancing calculations, two-stage isolation control system, mutual backup among subsystems, and featuring automatic recovery for power and remote control systems, ensuring multiple layers of isolation for high safety. Additionally, it allows for high-precision and non-contact ampere-hour measurement calculations.



COMMERICAL & INDUSTRIAL ENERGY STORAGE SYSTEM

工商儲能系統



Rack 機櫃
768V134Ah
標準版 Standard
儲能電池系統



Rack 機櫃
1056V134Ah
高壓版 High Voltage
儲能電池系統



ESS 儲能電池系統

規格 Specification	768V67Ah	768V134Ah	1056V134Ah
型號 Model	BR108-256AMF	ES134-256CMF2	ES134-352GMF1
電壓 DC Voltage	819.2 V	819.2 V	1126.4 V
容量 Capacity	54.88 KWh	109.77 KWh	150.93 KWh
最大充電電流 MAX Charging Current	67 A (1C)	100 A (0.7C)	100 A (0.7C)
最大放電電流 MAX Discharging Current	110 A (1.6C)	110 A (0.8C)	110 A (0.8C)
配置 Configuration	16S1P	16S1P	22S1P
尺寸 Dimension D*W*H	667*545*2001mm	985*560*2001mm	985*560*2439mm
重量 Weight	654kg	1150kg	1480kg

● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.

ENERGY STORAGE SYSTEM

貨櫃型儲能系統

全方位守護，安心不斷電

Comprehensive Protection For Uninterrupted Power Supply

20呎貨櫃 20'CONTAINER TEU



使用磷酸鋰鐵電池
LFP Battery combined



防水等級：IP54
Ingress Protection rating：IP54



抗腐蝕防鏽等級:ISO 12944 C5以上
Anti-Corrosion Rating over ISO12944 C5

符合ISO 1496、C.S.C、TIR認證
Complies with ISO 1496, C.S.C, TIR certification.

符合國際集裝箱安全公約及集裝箱標準
Complies with the International Convention for Safe Containers (CSC) and container standards.



消防及環境控制系統
Environmental control equipment



空調系統
Air conditioning system



電池系統
Battery & BMS



電力系統
Electric power equipment

防火門
Fireproof door

ENERGY STORAGE SYSTEM

貨櫃型儲能系統

ESS 貨櫃型 儲能系統

型號 Model	FESS 20-67	FESS 20-134A	FESS 20-134B	FESS 20-134C
電壓 DC Voltage	819.2 V	819.2 V	1126.4 V	1126.4 V
容量 Capacity	1.26MW	1.97MW	2.71MW	3.01 MW
最大充電電流 MAX Charging Current	1541A (1C)	100 A (0.7C)/Rack	100A (0.7C)/Rack	100 A (0.7C)/Rack
最大放電電流 MAX Discharging Current	1541A (1C)	110 A (0.8C)/Rack	110 A (0.8C)/Rack	110 A (0.8C)/Rack
配置 Configuration	16S23P	16S18P	22S18P	22S20P
尺寸 Dimension D*W*H	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm	6058*2438*2896mm
重量 Weight	23 ton	26.8 ton	33 ton	36 ton
配備 Equipment	直流盤、監控盤、空調系統、消防系統、煙偵感測器、偵溫感測器、不斷電系統 *因應案場實際應用配置 DC Panel, Monitoring Panel, Air Conditioning System, Fire Protection System, Smoke Detectors, Temperature Sensors, And UPS System Are Configured Based On The Actual Application Requirements Of The Project.			

● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.

其它配件

NITTAN消防主機
NITTAN Firefighting equipment

VSN1230滅火氣體
VSN1230

高壓保險器
High-Voltage Fuse

漏電偵測器
Ground Fault Detector

大電流直流隔開關
High Current DC Disconnect Switch

空調系統
Air Conditioning System

氣體品質偵測器
Gas Quality Detector

雷擊突破吸收器
Lightning Surge Arrester

直流安全配電系統+保險絲
Combustible Gas Detector

溫溼度+CO+CO₂四合一感測器
Four-in-One Sensor

積水感測器
Water Accumulation Sensor

不斷電系統
UPS





智慧能源家庭
擁抱綠生活

SMART ENERGY HOME,
EMBRACING GREEN LIFE.

HOME ENERGY STORAGE SYSTEM

家用儲能系統

標準儲能
電池模組
STANDARD
MODULE

電池保固
十年
10-YEAR
WARRANTY

高達3,600次
循環壽命
GREATER
THAN 3,600
CYCLE LIFE

智慧平衡
SMART
BALANCING

自動斷電
保護
AUTOMATIC
POWER-OFF
PROTECTION

防火材質
FIREPROOF
MATERIALS

智慧新選擇
點亮我的家

SMART NEW CHOICE,
LIGHTING UP MY HOME.



Home Energy Storage System		
	HB134-016EME1	HB268-016EME1
額定容量 [Ah] NOMINAL CAPACITY	134	268
額定電壓 [V] NOMINAL VOLTAGE	51.2	51.2
能量 [kWh] ENERGY	6.86	13.72
重量 [kg] WEIGHT	77	143.5
尺寸 [L*W*H, mm] DIMENSION	580*300*605	580*300*1055

● 詳細規格請參閱規格書 Please refer to the Product Specification for more details.



Hybrid PCS	
FSE HESS 6KW	
功率 [kW] POWER	6
標稱輸出電流 [A] NOMINAL DISCHARGE CURRENT	每相 25A
標稱輸出電壓 [Vac] NOMINAL DISCHARGE VOLTAGE	120/208/240
標稱直流電壓 [Vdc] NOMINAL DISCHARGE VOLTAGE	48
最大充電電流 [A] MAXIMUM CHARGING CURRENT	120
重量 [kg] WEIGHT	41
尺寸 [HxWxD, mm] DIMENSION	700*515*215.5
防水防塵等級 IP RATING	IP65
操作溫度範圍 OPERATING TEMPERATURE RANGE	-10~55°C

可於市電中斷緊急供電
Emergency Power Supply

可搭配太陽能系統使用
Compatible With Solar Systems

可積木式堆疊選用容量
Stackable For More Capacity

配合時間電價優化電費
Optimizing Electricity Bills

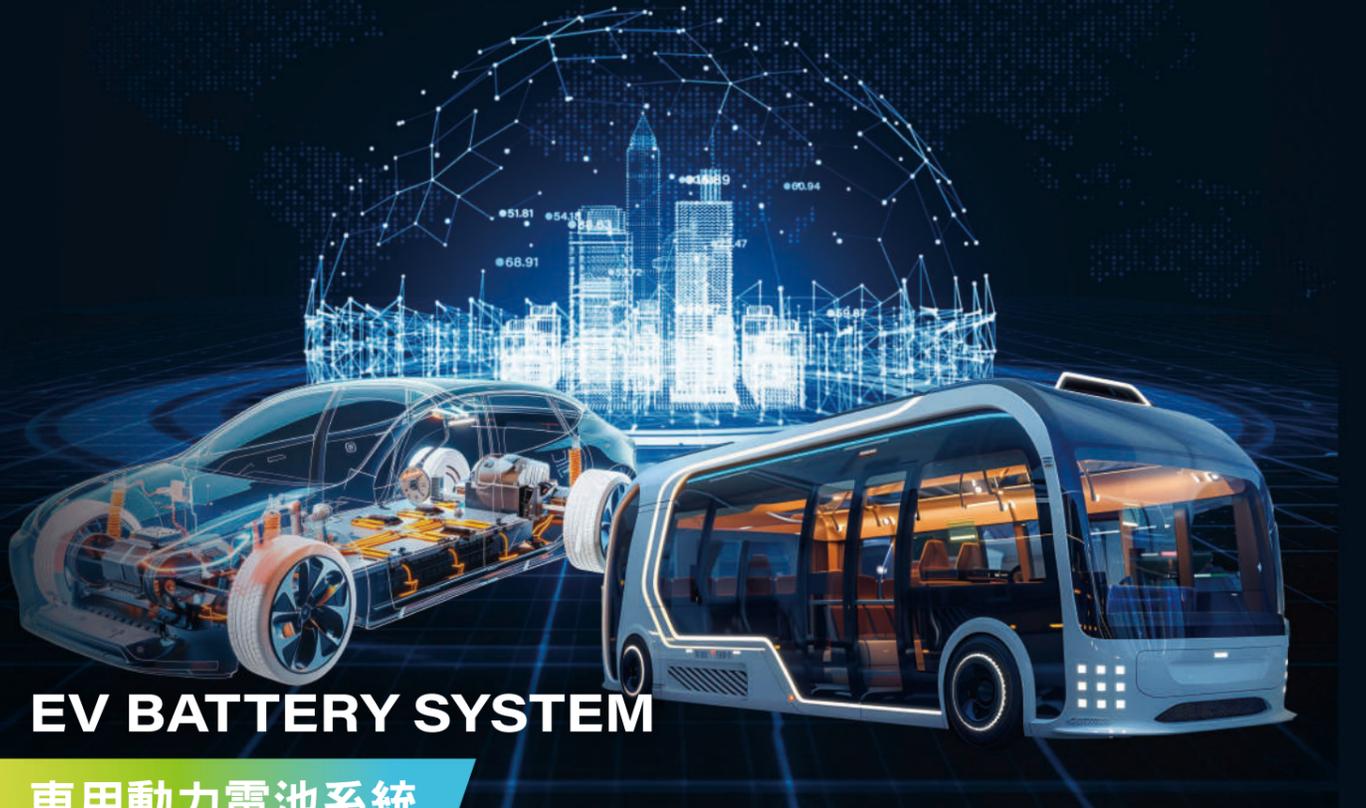
可透過清潔能源充放電,無須燃料,
安全穩定,邁向淨零永續環境。

It can be charged and discharged through clean
energy, no fuel required, safe and stable, moving
towards a Net-Zero sustainable environment.



HOME ENERGY
STORAGE SYSTEM





EV BATTERY SYSTEM

車用動力電池系統

高安全性
高能量密度
動力電池系統

High Safety & Energy Density
Battery System.



CNS16160
經濟部標準檢驗局
電動車輛用電池及電池系統
實施自願性產品驗證
The BSMI of the Ministry of Economic
Affairs implements voluntary product
verification for batteries and battery
systems used in electric
vehicles.



**IEC62133
IEC62620**
電動道路車輛用鋰離子
電池和電池的安全要求
Safety requirements for
lithium-ion cells and
batteries used in electric
road vehicles.



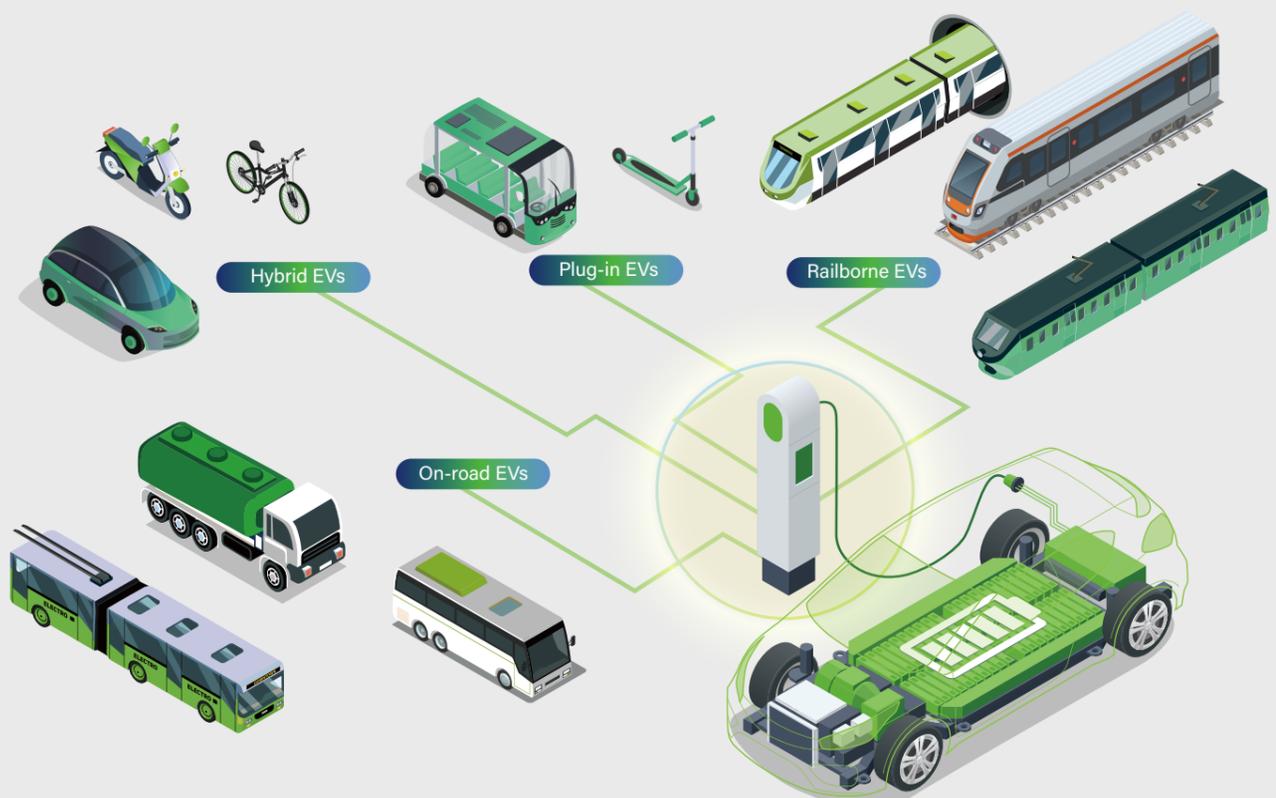
**UL1973
UL2580**
電動汽車電池 (模組)
的安全性標準
Safety standards for
electric vehicle batteries
(modules).



UN38.3
聯合國危險貨物運輸
《貨物運輸條件》
Conditions of Transport
for dangerous goods
transportation by the
United Nations.



ECE R100.03
歐盟車用動力電池
安全性標準
EU safety standards
for automotive power
batteries.



EV BATTERY SYSTEM

車用動力電池系統

電動巴士動力電池系統

Electric Bus Battery System

台塑新智能動力電池模組(Pack)
現已應用於電動巴士組成動力
電池系統電量約 250~300kWh。

The power battery pack of Formosa Smart Energy
currently is applied to electric buses. The battery
system capacity is approximately 250-300kWh.



台塑新智能動力電池系統採用自產高能量密度及長循環壽命電芯，
開發電動巴士動力電池模組(Pack)電量為 30.8kWh，電壓 153.6V。

The power battery system of Formosa Smart Energy uses domestically produced cells
with high energy density and long cycle life. The pack for electric bus is equipped with
30.8 kWh capacity and 153.6V.



成組方式 CONFIGURATION	3P48S
標準電量 NOMINAL ENERGY	30.87 kWh
能量密度 WEIGHT ENERGY DENSITY	≥134 Wh/kg
標準電壓 NOMINAL VOLTAGE	153.6V
工作溫度 OPERATIONAL TEMPERATURE	Charging: 0~55°C Discharging: -30~60°C
尺寸 DIMENSION	1200*710*200 mm
重量 WEIGHT	230 kg
熱管理 THERMAL MANAGEMENT	Liquid cooling
IP防護等級 IP LEVEL	IP67
認證 CERTIFICATION	UN38.3, ECR R100.03

電動物流車動力電池系統

Electric Commercial Vehicle Battery System

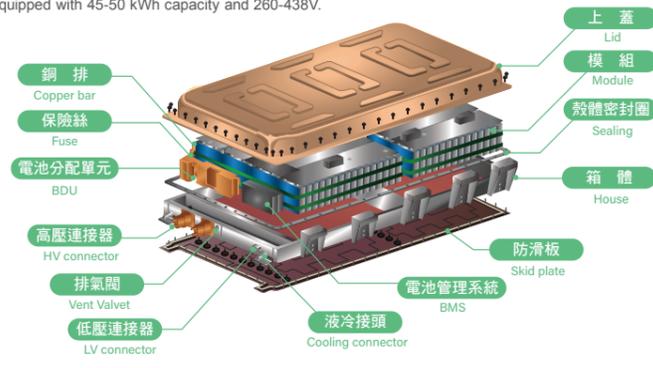
台塑新智能現已與國內車廠合作應用於
新開發電動物流車型，動力電池系統電量
約45~50kWh。

Formosa Smart Energy has collaborated with
domestic automakers to apply newly developed
electric commercial vehicles. The battery system
capacity is approximately 45~50kWh.



台塑新智能動力電池系統採用自產高能量密度及長循環壽命電芯，
開發物流車動力電池模組(Pack)電量為45~50kWh，電壓 260-438V。

The power battery system of Formosa Smart Energy uses domestically produced cells
with high energy density and long cycle life. The pack for electric commercial vehicles is
equipped with 45-50 kWh capacity and 260-438V.



成組方式 CONFIGURATION	2P12S/2P14S/2P16S
標準電量 NOMINAL ENERGY	45~50kWh
能量密度 WEIGHT ENERGY DENSITY	≥134 Wh/kg
標準電壓 NOMINAL VOLTAGE	260-438V
工作溫度 OPERATIONAL TEMPERATURE	Charging: 0~55°C Discharging: -30~60°C
尺寸 DIMENSION	1450~1650*906*200 mm
重量 WEIGHT	335~373 kg
熱管理 THERMAL MANAGEMENT	Liquid cooling
IP防護等級 IP LEVEL	IP67
認證 CERTIFICATION	UN38.3, ECR R100.03



TUBULAR PHOTOBIOREACTORS

工業型管道光生物反應器



管道式設計
Pipeline Design

大規模養殖
Large-Scale Farming

佔用空間少
Space-Efficient

可控制環境
Controllable Environment

固碳效率高
High Carbon-Fixation Efficiency



澄源官網
The official website of CH Algae
工業業務
Industrial Business



綠藻官網
The official website of InnoGT
農業業務
Agricultural Business

Model	50L平行管道設備 50L Photobioreactor	1000L平行管道設備 1000L Photobioreactor	5000L平行管道設備 5000L Photobioreactor
管柱數 NUMBER OF TUBES	10	128	352
管道總容量[L] VOLUME OF TUBES	30	800	4,000
緩衝槽[L] TANK	20	200	1,000
佔地面積[L*W*H, cm] LAND AREA	200*100*120	1,300*200*230	2,500*150*250
操作溫度[°C] OPERATING TEMP.	15~40	15~40	15~40

微藻城市減碳景觀設施

MICROALGAE PUBLIC FACILITIES FOR URBAN CARBON REDUCTION

微藻反應器TYPE-B (草皮燈) MICROALGAE TURF LIGHT TYPE-B

由太陽能板發電的小型生物反應器，除了作為造景特色設施，也可捕捉城市中的二氧化碳，將自然之美融入都市生活。
Small bioreactor powered by solar panels serves not only as a landscape feature but also captures carbon dioxide in urban areas, integrating the beauty of nature into city life.

- 容量 Capacity: 12L/個
- 亮燈時間 Lighting Duration: 自動識別白天黑夜 Automatically Identifying Day & Night
- 佔地面積 Area: 25*25*75 cm
- 太陽能板 Solar Panel: 單晶矽2V/40mA Monocrystalline silicon



微藻廢水處理

WASTE WATER TREATMENT

重金屬去除劑SMF-01 HEAVY METAL CHELATING AGENT SMF-01

- 規格 Specification: 25kg/桶barrel
- 功能 Function: 去除廢水中的鉬離子，可達放流水標準(<0.6 ppm)，以酸根離子形式被微藻的多聚複合體官能基團結合吸附，形成膠羽，同時產生污泥量較低。
Remove Mo, Zn ions from wastewater, achieving the standard of discharge (<0.6 ppm). Heavy metal ions, adsorbed in the form of acid ions by the functional groups of the multi-complex of microalgae, produce flocs and low sludge.



复合型凝劑NJ01 COAGULANT AGENT NJ01

- 規格 Specification: 25kg/桶barrel
- 功能 Function: 泛用型製劑，取代傳統PAC，改變水中雜質的物理狀態，以正電離子形式結合吸附形成膠羽，同時產生污泥量較低。
Suitable for various applications, replaces traditional PAC, changes the physical state of impurities in water. It produces flocs and low sludge in the form of positive ions with bindings and adsorptions.



微藻農業應用

AGRICULTURAL APPLICATION

酵益好培養基PLUS MALGAE MEDIUM PLUS

- 規格 Specification: 1,000g/包bag
- 功能 Function: 內含微藻，用於培養菌種，可使用在農業及工業用菌。
Containing microalgae, used for cultivating and applying for agricultural and industrial applications.

