

東電綠能股份有限公司

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儲能系統整合的
專業夥伴



關於東電綠能

ABOUT TUN GREEN POWER



「技術整合 × 投資管理 × 國際實績」

全方位能源方案供應商，融合設計整合、投資與資產管理，已完成台灣、日本與東南亞多項投資。

Technology Integration × Investment Management × International Achievements

A full-spectrum energy solutions provider, combining design integration, investment, and asset management, with proven projects in Taiwan, Japan, and Southeast Asia.

智慧儲能

驅動能源未來 *Smarter Storage
Brighter Future*

我們不只建設 **更懂投資**

Beyond Building, Investing with Insight

投資評估

Investment Evaluation

財務模型

Financial Modeling

風險控管

Risk Management

融資規劃

Financing Strategy

資產管理

Asset Management

六大核心服務

SERVICES

1. 儲能系統開發與技術整合

Energy Storage System Development & Technology Integration

2. EPC 規劃與執行

EPC Planning & Execution

3. 智慧 EMS 控制導入

Smart EMS Implementation

4. 太陽能系統建置

Solar System Deployment

5. 電力交易代操與顧問

Energy Trading Operation & Consulting

6. 投資與資產管理

Investment & Asset Management

電力交易員證書

QUALIFIED ENERGY TRADER CERTIFICATE

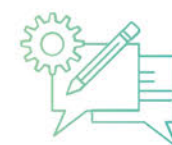


國際合作優勢 CATL 官方認可策略合作夥伴

INTERNATIONAL COOPERATION ADVANTAGE :
OFFICIALLY RECOGNIZED STRATEGIC PARTNER OF CATL IN TAIWAN

2025 年簽署1GWh 亞太框架合作協議強化供應鏈穩定與技術領先

Signed a 1 GWh Asia-Pacific Framework in 2025, Enhancing Supply Chain Stability & Tech Leadership



完整技術支援

Comprehensive Technical Support



最具競爭力的價格

Most Competitive Pricing



業界最快交付速度

Fastest Lead-time



原廠最長 20 年保固

Up to 20-Year Warranty

▼ 東電綠能執行長林美伶(左)、CATL儲能產品線執行總裁朱威，於簽約儀式合影。



關於東軒綠能

ABOUT TUNDEF

「守護每一刻電力穩定」

東電綠能子公司，專責設備製造與維運。

品牌名源自 Defender (守護者) 的縮寫 DEF，象徵我們對穩定供電的承諾。

The Guarding Power Stability Around the Clock

A subsidiary of Tun Green Power, specializing in equipment manufacturing and operation & maintenance.

The brand name comes from the abbreviation “DEF” of “Defender”, symbolizing our commitment to ensure power stability.

位於

桃園市楊梅區
幼獅擴大工業區內

Located in the Youth Industrial,
Yangmei District, Taoyuan City



技術源自原廠認證培訓，成就值得信賴的專業服務品質

Powered by CATL-certified training, delivering trusted and professional service quality



全球權威認證

WORLD-CLASS CERTIFICATION



主要服務 MAIN SERVICES

電池模組與
櫃體組裝

Battery Module &
Cabinet Assembly

BMS
參數調校與測試

BMS Parameter
Calibration & Testing

檢測中心
(SOH、氣密、耐候)

Testing Center
(SOH, Airtightness,
Weather Resistance)

24 小時快速響應與
原廠認證維護

24/7 Rapid Response &
OEM Maintenance



全台第一家取得 大型儲能櫃 CNS 廠商

Taiwan's First CNS-Certified Large-Scale Energy Storage

20呎貨櫃型儲能電池

20' CONTAINERIZED ENERGY STORAGE BATTERY

高性能 High Performance

CATL 530Ah LFP 電池，自動校正 SOC，100% 放電深度，最大化可用能量

CATL 530Ah LFP battery with auto SOC calibration and 100% depth of discharge for maximum energy utilization

高安全 High Safety

IP55 防護 + 四級消防策略，多重偵測與滅火系統

IP55 protection and four-level fire safety strategy with multiple detection and suppression systems

長壽命 Long Lifespan

液冷控溫，電 芯 ≥ 12,000 次循環，20 年壽命

Liquid-cooled temperature management, battery cells ≥ 12,000 cycles, 20-year life

高集成 High Integration

381 kWh/m² 能量密度，最大化單位面積利用效率

High energy density of 381 kWh/m², maximizing utilization of available footprint



MODEL	EnerX
Cell Specifications	
Battery Type	LFP
Battery Capacity	530Ah
Battery Voltage Range	2.5-3.65V
Battery Rated Energy	1696Wh

MODEL	EnerX
Battery Container	
Battery Configuration	8P4S(1P104S)
Rated Energy	5644.29 kWh
Rated Voltage	1331.2 VDC
Voltage Range	1040-1500 VDC
Cooling Method	Liquid-cooled
Operating Temperature Range	-35℃ - 55℃
Protection Rating	IP55
Dimensions (W×D×H)	2438*6058*2896mm
Weight	45t
Certifications	UL1973、NFPA855、UL9540A、UL9540 IEC62477、IEC62619、IEC62933-5-2、 IEC61000-6-2、IEC61000-6-4、 IEC63056、UN38.3、CNS62619

液冷型電池櫃

LIQUID-COOLING BATTERY CABINET

高性能 High Performance

CATL 306Ah LFP 電池, SOC 精度 $<\pm 5\%$, 100% 放電深度

CATL 306Ah LFP battery with SOC accuracy $<\pm 5\%$ and 100% depth of discharge

高安全 High Safety

IP56 防護 + 四級消防策略, 多重預警與滅火系統

IP56 protection and four-level fire safety strategy with multiple alerts and suppression systems

長壽命 Long Lifespan

液冷控溫, 電芯 $\geq 12,000$ 次循環, 20 年壽命

Liquid-cooled temperature management, battery cells $\geq 12,000$ cycles, 20-year life

高集成 High Integration

高能量密度節省 50% 空間, 整板運輸安裝快速

High energy density saves 50% space, with plug-and-play panel transport and fast installation



MODEL

EnerOne+

Cell Specifications

Battery Type	LFP
Battery Capacity	306Ah
Battery Voltage Range	2.5-3.65V
Battery Rated Energy	979.2Wh

MODEL

EnerOne+

Cabinet Specifications

Battery Configuration	1P416S
Rated Energy	407.34 kWh
Rated Voltage	1331.2 VDC
Voltage Range	1040-1500 VDC
Cooling Method	Liquid-cooled
Operating Temperature Range	-25°C -55°C
Protection Rating	IP56
Dimensions (W×D×H)	1390*1344*2348mm
Weight	3.7t
Certifications	UL1973、NFPA855、UL9540A、 IEC62477、IEC62619、 IEC62933-5-2、IEC61000-6-2、 IEC61000-6-4、CNS62619

模組化儲能一體機

ALL-IN-ONE BESS SOLUTION

高性能 High Performance

CATL 280Ah LFP 電池，放電深度 95%，最長可用 20 年

CATL 280Ah LFP battery with 95% depth of discharge and up to 20-year lifespan

智慧液冷 Smart Liquid Cooling

自動水冷控溫，電池溫差 <3°C，延長系統壽命並降低輔助功耗

Automatic water-cooled temperature management, battery temperature difference <3°C, extending system life and reducing auxiliary power consumption

高安全 High Safety

三級消防策略 + 多重預警與滅火系統

Three-level fire safety strategy with multiple alerts and suppression systems

高集成 High Integration

All-in-One 模組化設計，支援最多 20 台並聯運作

All-in-One modular design supporting up to 20 units in parallel



MODEL EnerA	
DC-side Parameters	
Battery Type	LFP
Battery Capacity	280Ah
Battery Voltage Range	655~949 VDC
System Rated Capacity	232.96 kWh
Battery Configuration	1P260S

MODEL EnerA	
AC-side Parameters	
Rated Output Power	115 kW
AC Output Voltage	3Ø4W 380/220V
Maximum Output Power	126.5 kW
General Parameters	
Cooling mode	Liquid Cooling
Operating Temperature Range	-30 °C -60 °C
Protection Rating	IP55
Dimensions (W×D×H)	1120*1400*2439mm
Weight	2.7t
Certifications	UL9540A、IEC62477、IEC62619、UN38.3



海外累計量體

CUMULATIVE OVERSEAS
CAPACITY

48 MWh



家用儲能累計量體

CUMULATIVE RESIDENTIAL CAPACITY
INSTALLED

110 kWh



實績案例 OUR PROJECTS



全台累積計畫

CUMULATIVE CAPACITY
INSTALLED IN TAIWAN

186.2 MWh

