

台灣版 Outdoor

戶外型 MAX BESS

SELF-CONSUMPTION
OPTIMIZATION

自發自用

PEAK SHAVING



削峰填谷

BACK - UP



備用電源

POWER QUALITY



電力品質

GENSET
OPTIMIZATION

發電機優化

ON-GRID/ OFF-GRID



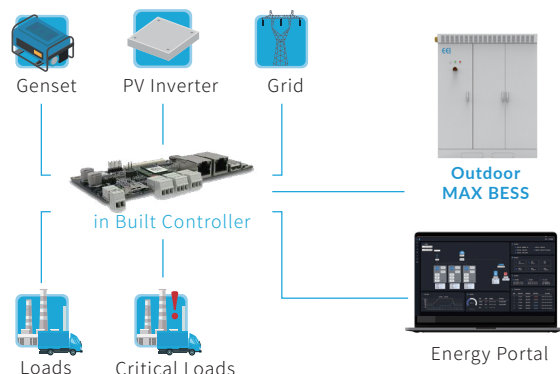
併網/離網

工商級併離網型儲能系統 ON GRID / BACK UP SOLUTION

智慧電網與AI 智慧調度

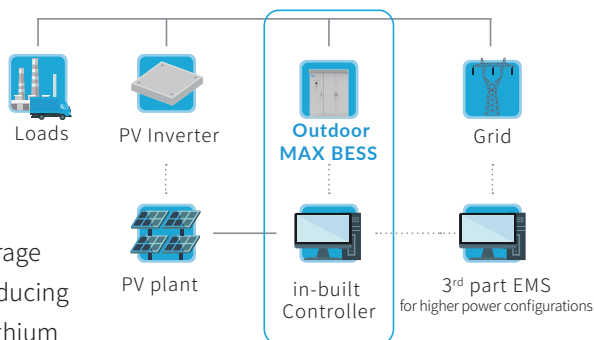
專為中小型工商業用戶設計，整合電池模組、PCS、EMS、環控與消防系統。電池已通過多項國際認證，已通過IEC62619、CNS62619、UL1973和UN38.3認證。安全可靠、易於維護

Designed for small and medium industrial-commercial users, this system integrates battery modules, PCS, EMS, environmental control, and fire protection. The battery meets IEC62619, CNS62619, UL1973, and UN38.3 certifications, making it safe, reliable, and easy to maintain.



針對台灣應用市場，緊湊的一體式儲能櫃，備有消防空調與內部偵測，減少建置成本。整合高效PCS與高安全BESS 鋰電池儲能模組，提供可運行孤島模式、電網調度、儲能控制到能源優化的一站式解決方案。

Designed for Taiwan's application market, this compact all-in-one energy storage cabinet includes fire protection, air-conditioning, and internal monitoring, reducing installation costs. It integrates a high-efficiency PCS and a high-safety BESS lithium battery module, delivering a one-stop solution for islanding operation, grid dispatch, storage control, and energy optimization.



主要特色 MAIN FEATURES

- 存儲容量可達 120 kWh
- 功率高達 90 kW 的集成 PCS
- 使用本機界面進行監控
- 750V 直流耦合系統(DCS)設計
- 具有多種配置的模組化系統
- 台灣技術解決方案
- Storage capacity of 120 kWh
- Integrated PCS with power up to 90 kW
- Monitoring with local interface
- 750V DC-coupled system (DCS) design
- Modular system with a wide range of configurations
- Made in Taiwan components

規格 SPECIFICATION

交流輸出參數 AC Output Parameters

MAX BESS 45_60 MAX BESS 45_120 MAX BESS 90_120

額定功率	Rated power	45 kVA	45 kVA	90 kVA
額定電壓	Rated voltage	380/ 400 Vac (±10%)		
額定頻率	Rated frequency	50/ 60Hz (±5Hz)		
額定輸出電流	Rated output current	65 A	65 A	130 A
超載	Overload	110% (1 min every 30 min)		
交流連接	AC connection	3ph+N+PE Transformerless		
功率因數	THDi	(0 leading ~ 0 lagging) @ rated Vdc		
總諧波失真	Power factor	<3%		
斷路裝置	Disconnection device	AC Switch disconnecter + fuses		
過壓保護	Overvoltage protection	Surge suppressors		

電池組規格 Battery Pack Specification

電池額定電壓	Battery rated voltage	576 V		
額定充放電電流	Rated current charge/discharge	140 A		
額定容量	Battery capacity	60 kWh	120 kWh	120 kWh
電池類型	Battery type	LFP (LiFePO4)		
周期	Cycles	3000 Cycles (≥75% of initial capacity at 25°C)		
模組串聯	Modules in series	15		

一般系統規格 General system specification

尺寸(寬x高x深,mm)	Dimensions (WxHxD,mm)	1700x2100x900		
重量	Weight	1200 kg	1800 kg	1800 kg
工作溫度範圍	Operating temperature range	-10°C ~ +50°C		
儲存溫度範圍	Storage temperature range	-20°C ~ +60°C		
濕度	Humidity	0~95% (non-condensing)		
防護等級	IP rating	IP54 OUTDOOR		
冷卻	Cooling	Forced air (converter section), Air conditioning (battery section)		
噪音水平	Noise level	< 80 dB		
通訊	Communication	CAN 、Modbus TCP/IP (optional)		
海拔高度	Altitude	≤ 2000 m		

標準和認證 Standards and Certifications

安全性(電池)	Safety(Battery)	IEC 62619, UN 38.3, UL1973		
電磁兼容/安全性	EMC /Safety	EN61000-6-2, EN61000-6-4 / IEC 62477-1		
併網規範	Grid code	CEI 0-21, CEI 0-16		

監測 MONITORING



專為多能源多站點監管打造的數據可視化平台、自動化警報配置和管理

Data visualization platform, built for multi-energy and multi-site supervision

Automated alert configuration and management

應用 SITUATION

製造工廠、商辦大樓、太陽能場域、電動車充電站等

- 孤島功能
- 契約容量管理
- 需量反應
- 削峰填谷和負載轉移
- 停電期間的緊急備用電源

Manufacturing plants, office buildings, solar farms, EV charging stations, and more.

- Islanding capability
- Contract capacity management
- Demand response
- Peak shaving and load shifting
- Emergency backup power during outages