A Leading Provider of
Comprehensive

300kW/
300kWh

2025
產品型錄
Catalogue


小型儲能


工商業儲能


電網級儲能


整合應用

傑明新能源股份有限公司

傑明新能源成立於2018年，承接自EEI的電力應用技術。能源儲存系統（ESS）及相關技術是傑明新能源核心，是最有效的綠色能源和能源生成技術。此外，傑明新能源整合了電動車充電技術，致力於發展能源消耗解決方案。

傑明新能源提供在包括能源生成、能源儲存和能源消耗等所有領域的解決方案和智能電網應用，是台灣這個行業的先驅。

住 Residential

ESS+Photovoltaic

工 Industrial

ESS for Heavy power use

EukaPower, which undertakes power application technology from EEI, was established in 2018. Energy Storage System (ESS) and related technologies are cores of EukaPower that are the most effective green energy and energy generation. In addition, EukaPower integrates EV charger technology to develop energy consumption solutions.

EukaPower, which provides solutions and innovative grid applications in all domains, including energy generation, energy storage, and energy consumption, is the pioneer in this industry in Taiwan.

ESS for Heavy power use

SuperChargingStation

用

Application

自發自用

Self-consumption of Electricity

可使用手機APP，雲端監控用電與發電狀況。以智慧電表，分析大數據，調配控制用電。以大數據調控智能家電用電狀況。

Use mobile app cloud monitoring for electricity usage and power generation situations.
Analyze big data with smart meters and adjust and control electricity usage.
Control the electricity usage of smart appliances through big data analysis.

智慧用電場所
Smart Grid Area

製造工廠、商辦大樓、太陽能場域、電動車充電站
Manufacturing plant, commercial office building, solar field, and electric vehicle charging station.

商業應用

Commercial Applications

綠色建築的理念在於採用環保的方式來滿足能源需求。綠色能源的分散式發電方式被廣泛應用，能夠在就地使用，有效減少停電風險。
在這一概念下，可考慮將太陽能板納入建築設計中，作為能源補充來源。
儲能設計，除了停電時快速提供電力，穩定充電樁的輸出電流。同時，儲能系統可以透過APP進行管理實時監控電力情況，達到更有效的能源管理。

The concept of green building is to use environmentally friendly methods to meet energy needs. The decentralized power generation of green energy, which can be used on-site to effectively reduce the risk of power outages, is widely used.
Under this concept, incorporating solar panels into building design as a supplemental energy source can be considered. In addition to quickly providing power during outages, the energy storage design stabilizes the output current of charging piles. At the same time, the energy storage system can be managed and monitored in real-time through an APP to achieve more effective energy management.

綠建築場所
ECO Building

偏鄉公共設施、醫院、不斷電場域、便利商店、營業所、旅遊住宿場所
Rural public facilities, hospitals, areas with uninterrupted power supply, convenience stores, and tourist accommodations.

超級充電應用
Supercharger Support

商用集中大型充電站與住宅充電樁設置有所不同。在商用充電站中，追求的是快速高壓充電，以提升來客數。這種充電站需要在短時間內完成充電，同時仍需保持商場的正常用電。在這種情況下，考慮到能源的穩定供應，配置儲能裝置是一個明智的選擇。

Installing large commercial charging stations differs from residential charging piles. Commercial stations aim to offer fast, high-voltage charging to boost customer traffic while maintaining stable power usage. Including energy storage devices in the setup ensures a stable energy supply, making it a wise choice for commercial areas.

超級充電場所
SuperCharger Places

工廠、停車場 Manufacturing factory, gas station, residential construction project, community charging station, employee parking lot, and solar carport.

智慧用電
Smart Electricity Use

融合企業ESG理念與綠能概念，在大型商辦建築中引入綠電方案以及儲能裝置，能夠顯著降低能源消耗。這種做法不僅有助於提升企業的環境、社會及公司治理層面，還能夠積極參與電力服務，為該建築的電力分配進行精準調控。

Incorporating corporate ESG principles alongside green energy initiatives, along with the implementation of green power solutions and energy storage systems within extensive commercial structures, can markedly diminish energy usage. This strategy not only enhances the company's environmental, social, and corporate governance standings but also facilitates proactive engagement in power services and precise management of the building's power distribution.

企業應用場所
Enterprise Application Positioning

製造工廠、商辦大樓、太陽能場域、電動車充電站
Manufacturing plant, commercial office building, solar field, and electric vehicle charging station.

儲

ESS

Master PCS

工業 / 商用逆變器
100kW / 300kW
750kW / 1MW以上

大型儲能設備，可以戰情室監測與控制電力分配。
園區、住宅區、工廠區...可進行較多棟別的用電分類、分配、用電量、發電量監測。

Large-scale energy storage systems can monitor and control power distribution across various locations, including parks, residential areas, and factories. They can monitor electricity consumption, power generation, and distribution of multiple buildings.

→ P.4

edo

混合儲能逆變器
5kW /
5.1kWh-20.4kWh

適用於居家、小型商舖和小型停車場，此系統能有效實現能源的削峰填谷，提升綠建築的能源效能。

Suitable for homes, small shops, and small parking lots, this system can effectively achieve energy peak shaving and valley filling and improve the energy efficiency of green buildings.

→ P.8

edo+

儲能逆變器
10kW/10kWh~More

逆變器的應用，功率更廣涵蓋範圍更大，可最佳化電力品質，同時縮小體積並提升電力轉換效率。

體積縮減
效率提高

The application of inverters can optimize power quality while reducing size and improving power conversion efficiency.
Volume reduction
Increased efficiency

→ P.14

MAX BESS

工業/商用儲能
70-90kW / 70-200kWh

義大利設計、台灣組裝
內涵逆變器與電池、精簡美觀多合一設計

內建EMS可遠端監測與觀測，可自動化智能運行電力調控。

Designed in Italy and assembled in Taiwan. It contains an inverter and battery, a streamlined and beautiful all-in-one design.
The built-in EMS can be remotely monitored and observed, and the power control can be automatically and intelligently operated.

→ P.15

充電樁Charger

AC充電樁 / 7kW
DC充電樁 / 120kW

住宅區，如公寓和住宅
・電動車基礎設施運營商和服務提供商

Residential areas such as apartments and dwellings

EV charging
・ EV infrastructure operators and service providers

→ P.18

電網級儲能

工業 / 商用混合逆變器
1MW 以上

大型儲能設備，可以戰情室監測與控制電力分配。
園區、住宅區、工廠區...可進行較多棟別的用電分類、分配、用電量、發電量監測。

Large-scale energy storage equipment can monitor and control power distribution in the war room.
Parks, residential areas, factory areas. It can monitor more buildings' classification, distribution, electricity consumption, and power generation.

→ P.20

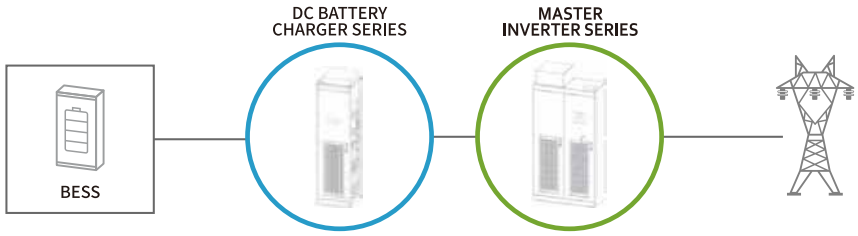
ITALIAN
POWER
TECHNOLOGY

雙向混合逆變器
Master PCS

可依據案場設計規劃
光儲一體、用電大戶、取代柴油發電機，增進能源效益

It can be customized to fit the specific location and requirements. It can integrate photovoltaic and storage systems to replace diesel generators and increase energy efficiency for large power consumers.

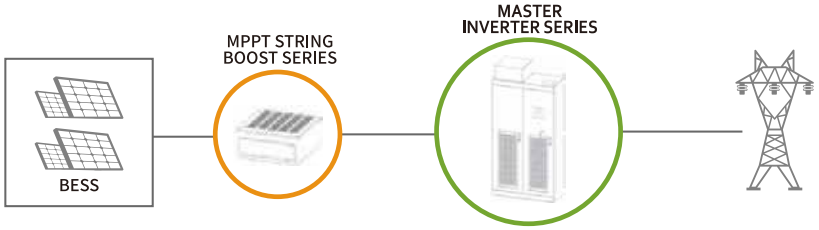
方案一　儲能系統
Pure Energy Storage System



逆變器與電池充電器之組合，可集成大容量電池成儲能方案。本方案具備在未來集成更多電池充電器以擴展電池容量之彈性，而電池充電器皆為每個電池組架設有其專屬輸入埠。

EEI Master Inverter with DC Battery Charger for Energy Storage solution with huge battery typeintegration. This configuration allows to expand the batterystorage in future only integrating more DC Battery Charger and gives the maximum flexibility of the system with dedicated input for each battery rack.

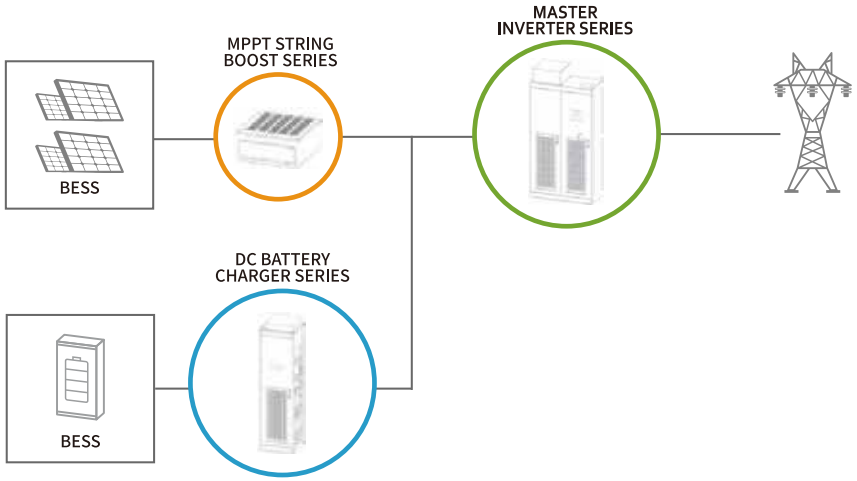
方案二 太陽能系統
Pure Solar Energy System



逆變器與最大功率追蹤(MPPT)優化器之組合，可獲致更高發電產出，太陽能電站可因而在投資上獲取最大收益。該電站亦具備未來加裝電池之改造彈性。

EEI Master Inverter with MPPT String Boost for higher energy production, the Solar plant withdistributed MPPT control to maximize the investment or to refit the Solar plant with latest technology and flexibility on future battery integration and expansion.

方案三 結合電池儲能的太陽能電站
Hybrid Solar and Battery System



逆變器、最大功率追蹤(MPPT)優化器與電池充電器之組合，將構成太陽能與電池綜合集成解決方案，並可視需求靈活擴展。結合電池儲能的太陽能電站是理想解決方案，一可最大化投資收益，二可作為後備電源，亦適用微電網專案。本方案可透過集成更多電池充電器以因應不同場域電量的需求。

EEI Master Inverter with MPPT String Boost and DC Battery Charger for hybrid integration of solarand battery conversion with the most flexible and expandable configuration. Ideal solution for new Solar plants with battery backup for maximize the investment but also for microgrid projects. This configuration allows to expand the battery storage in future only integrating more DC Battery Charger if the backup need increases or the Solar plant is expanded.

MODULAR
Easy configuration for all kind of project from small to multi MW

ADAPTIVE
Wide DC voltage range for all type of batteries

ADVANCED
Flexible software configuration allows wide functionalities

READY
In-Built functions for frequency and voltage regulation

Model	EEI MASTER 100	EEI MASTER 300
AC Output Parameter		
Rated power	100 kW	330 kW
Maximum power	110 kVA	360 kVA
Nominal voltage	400V 3Ph + N	400V 3Ph
AC Voltage range	+10% /-10%	+10% /-10%
Nominal frequency	50 / 60 Hz	50 / 60 Hz
Nominal frequency range	47,5...51,5 Hz / 56,4...62,4 Hz	47,5...51,5 Hz / 56,4...62,4 Hz
Nominal Current	145A	476A
Power Factor	adjustable between 0.85 and 1	adjustable between 0.85 and 1
Max Admissible Short Circuit Current	35kA	35kA
THD(I)	< 3%	< 3%
PV Input Parameter		
N° of MPPT BOOST inputs	2	4
Maximum DC current per input	100A	150A
Efficiency		
Maximum	>98%	>98%
General Data		
Dimensions (W / H / D)	800 / 2300 / 600 mm	1200 / 2450 / 600 mm
Weight	500kg	975kg
Operating temperature range	0°C / +50°C	0°C / +50°C
Max humidity (non-condensing) / Max altitude	95 % / asl 2000m	95 % / asl 2000m
Protections		
PV side disconnection device	MCCB	MCCB
EMC filter	Included	Included
AC-side disconnection device	AC circuit breaker	AC circuit breaker
AC overvoltage protection	Surge Suppressors	Surge Suppressors
PV DC overvoltage protection	Surge Suppressors	Surge Suppressors
RCM	Included	Included

Model	8YS750
DC Voltage	
Range	550~935V /MAX 1000V
Accuracy	±0.5% (Full Scale)
AC Current	
Range	0 -1100A
Accuracy	±0.5%(Full Scale)
AC POWER	
Range	320V/560kVA;380V/665kVA;440V/770kVA
Accuracy	±1%(Full Scale)
Performance	
Operating Mode	CP (Constant Power)
AC input	
Voltage range	320～440 Vac
Frequency	60Hz
Power Factor	>0.99
I_THD	<3%
Protection	OVP, UVP, OCP, OPP, unbalanced phase
General	
Protection	OVP, UVP, OCP, OPP
Interface	ModBUS TCP/IP (Ethernet)
Operating Temperature/ Humidity	0° C~50° C / 0~90RH%
Cooling	Air cooling
Altitude	2000m
Noise Level	85db
Protection Class	IP20
Dimension (DxWxH)	600 x 2010x 2210 mm
Weight (Expectation)	1700kg

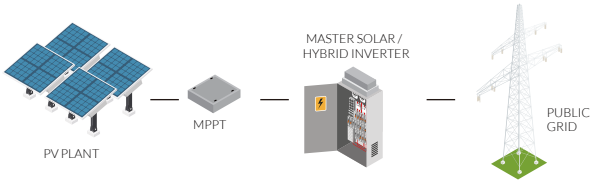
DEMAND SHIFTING

BACK-UP

ON-GRID / OFF-GRID

UNBALANCED LOADS

POWER QUALITY



太陽能優化器
MPPT STRING BOOST SERIES

逆變器與電池充電器之組合,可集成大容量電池成儲能方案。

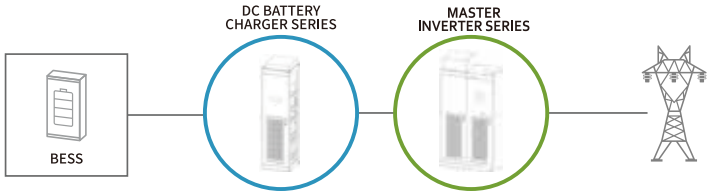
Inverter with DC Battery Charger for Energy Storage solution with huge battery type integration. Thisconfiguration allows to expand the battery storage in future only integrating more DC Battery. Chargerand gives the maximum flexibility of the system with dedicated input for each battery rack.

	EEI MPPT 200kW	EEI MPPT 100 kW
PV INPUT PARAMETERS		
N° of inputs	16	8
N° of MPPT	8	4
Voltage range	450~ 750 V	450~ 750 V
Max Current per input	20 A	20 A
OUT PARAMETERS		
N° of output	2	2
Rated output voltage	750V	750V
Disconnectin device	DC switch 1000V	DC switch 1000V
EFFICIENCY		
Maximum	>99%	>99%
GENERAL DATA		
Dimensions (W / H / D)	2	2
Weight	750V	750V
Operating temperature range	DC switch 1000V	DC switch 1000V
Cooling	Natural Cooling	Natural Cooling
Power supply	Self-powered	Self-powered
Protection degree	IP 54	IP 54
Communication	RS485- WIFI(optional)	RS485- WIFI(optional)
PROTECTIONS		
Input protection	Fuse on both positive and negative	Fuse on both positive and negative
Output protection	SPD	SPD

DC/DC轉換器　DC Charger

逆變器與電池充電器之組合,可集成大容量電池成儲能方案。

Inverter with DC Battery Charger for Energy Storage solution with huge battery type integration. Thisconfiguration allows to expand the battery storage in future only integrating more DC Battery. Chargerand gives the maximum flexibility of the system with dedicated input for each battery rack.



Battery Input Parameters	EEI BC 100-L	EEI BC 300-L
Rated power	100 kW	300 kW
Voltage range	500 ~ 730 V	500 ~ 730 V
N° of input	2	3
Max Current per input	100 A	200 A
Max S.C. Current per input	40kA	40kA
Efficiency		
Maximum	> 98 %	> 98%
General Data		
Dimensions (W / H / D)	400 / 2300 / 600 mm	600 / 2300 / 600 mm
Weight	300KG	500KG
Operating temperature range	0°C / +50°C	0°C / +50°C
Max humidity (non-condensing) / Max altitude	5 % / asl 2000m	95 % / asl 2000m
Protections		
Battery Side Disconnection Device	MCCB	MCCB
IMD	Optional	Optional

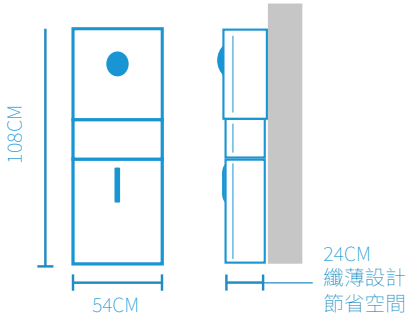
Battery Input Parameters	EEI BC 100-H	EEI BC 300-H
Rated power	100 kW	300 kW
Voltage range	650 ~ 1000 V	650 ~ 1000 V
N° of input	1	3
Max Current per input	170A	160A
Max S.C. Current per input	40kA	40kA
Efficiency		
Maximum	> 98 %	> 98%
General Data		
Dimensions (W / H / D)	400 / 2300 / 600 mm	600 / 2300 / 600 mm
Weight	300KG	500KG
Operating temperature range	0°C / +50°C	0°C / +50°C
Max humidity (non-condensing) / Max altitude	5 % / asl 2000m	95 % / asl 2000m
Protections		
Battery Side Disconnection Device	MCCB	MCCB
IMD	Optional	Optional

小型家用儲能系統
Solar-Hybrid Storage System

EDO 是EEI最新設計的混合儲存系統

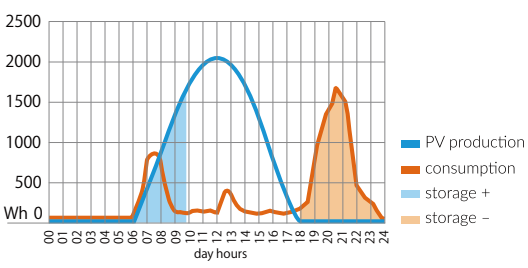
滿足您與愛家的用電需求!

Excellent application of
Photovoltaic Energy Storage
System



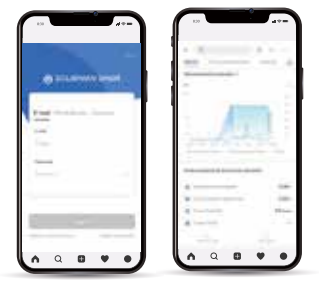
多合一系統，將尺寸大幅減小

All-in-one design,
Size reduction



透過EDO管理 全天的能源所需

Manage day-use energy by EDO



Smart ESS+自動化操作

Automation with ESS

自發自用綠建築
Eco house

降低電費
太陽能發電為主、小儲能搭配儲能櫃為輔，自發自用
Reducing electricity costs through a primary reliance on solar power, supplemented by small-scale energy storage and storage containers for self-sufficiency.

商舖不斷電系統
Retailer Store with UPS

結合智慧管理系統，達成節能目標，共創永續環境，接軌ESG。
Integrating a smart management system to achieve energy-saving goals, fostering a sustainable environment, and aligning with ESG (Environmental, Social, and Governance standards.

商場社區充電樁
E-charging part

充電站服務的最佳整合方案。充電樁可設置於商場、飯店民宿業者，增加來客量，提升企業ESG形象。
Solution for charging station services: Increase foot traffic and enhance corporate ESG image by installing charging stations in malls, hotels, and Airbnb properties.

偏鄉微電網
Micro-Grid in Isolated Area

災害時也能保持與外界通訊！並結合智慧管理系統，節能、永續、接軌ESG。
This system enables communication with the outside world during emergencies and integrates with a smart management system. This promotes energy efficiency, sustainability, and alignment with ESG standards.

十多年的設計經驗

保證電池 6,000 次循環
產品皆有5年的保固
10-year experience possesses
Battery 6,000 cycles
Products come with a 5-year warranty

保固維護

可以透過網路與您購買的
產品遠端連線協助排除問題
Warranty maintenance
Can be purchased with you online
The product is remotely connected to assist in troubleshooting

Model AC Output Parameter	E-CASA 5.0 HU
Rated AC output power	230Vac
Output voltage range	150V ~280V
Output frequency range	50 / 60Hz(±5Hz), (adjustable)
Rated Input Current	31A
Max. Current from Utility Grid	32A
Max. Apparent Power from Utility Grid	7360VA
Max. Power Output to Utility Grid	4999W
Max. Current Output to Utility Grid	21.7A
AC Output Connection	L+N+PE, Transformerless
Power Factor (cos Φ)	(0.9 leading-0.9 lagging),(adjustable)
THDi	<3%
Power grid disconnection	Bipolar miniature circuit braeker(40A/pole)
AC Output - Backup	
Rated Output Voltage	230(Fluctuation range±2%)
Rated Output Frequency	50/60Hz(Fluctuation range±2%)
Rated Output Current	20A
Rated Output Power	4600W
Max. Output Apparent Power	5000VA
THDv	<2% (Linear load)
Automatic Switch Time	<20ms
OverLoad	110% 10sec
Off-line AC disconnection	Bipolar miniature circuit braeker(40A/pole)
Solar Dc Input	
Max. PV Input power	6500W
Max. PV input voltage	580V
MPPT Range	120V~550V
Rated Input Voltage	400V
MPPT Range at full load	230~550V
Number of MPPT	2
Max. PV Input Current	13A*2
Isc PV	16A*2
Eneral Specification	
Dimensioni (W×H×D)mm	540*590*240
Weight (Kg)	39
Ambient Temperature Range °C	-20 ~+60 (Rated Power@45)
Relative Humidy	0~95% (NO CONDENSATION)
Protection Degree	IP65
Topology	High Frequency Isolation
Cooling	Natural Convection
Noise Emission [dB]	<25
Display	LCD/APP
Communication Interface	RS485/CAN2.0/WIFI
Altitudine	≤2000m
Overvoltage Category	II(DC SIDE), III(AC SIDE)
Max. Efficiency (from battery)	94.0%
Max. Efficiency (from PV)	97.6%
Euro Efficiency	97.0%
MPPT Efficiency	99.5%
Protection Function	Short Circuit Protection, AC Leakage Fault Protection, Grounding Fault Protection, Anti-islanding Protection, Overload Protection Surge Protection DC Polarity Protection
Standards And Safety	
Grid Regulation	AS/NZS 4777.2, VDE-AR-N4105, VDE0126-1-1, CEI 0-21
Safety Regulation	IEC/EN 62109-1&2, IEC62040-1
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16,EN61000-4-18, EN61000-4-29

Model Pv String Input	E-CASA 10 HU
Max. Continuous PV Input Power	18kW
Max. DC Voltage	1100V
Nominal Voltage	720V
MPPT Voltage Range	140V-1000V
MPPT Range (Full Load)	420V-850V
Start Voltage	130V
MPPT Tracker / Strings	2/2
Max. Input Current Per MPPT	15A
Max. Short-circuit Current Per MPPT	20A
Battery Input	
Battery Type	51.2V
Nominal Battery Voltage	44V - 58V
Charging Voltage Range	160 A
Max. Charging Power	8kW
Max. Discharging Current	200 A
Max. Discharging Power	10kW
AC Output (Grid)	
Nominal AC Output Power	10kW
Max. AC Apparent Power	11kVA
Nominal AC Voltage	400Vac3W+N+PE
AC Grid Frequency Range	50/60Hz
Max. Output Current	16A
Max. Input Current	16A
Power Factor (cos)	0.8leading-0.8lagging*
AC Output (Backup)	
Output THDv (@Linear Load)	10kVA
Rated Output Power	9.2kW
Max. Output Current	14.5A
Nominal Output Voltage	400V
Nominal Output Frequency	50/60Hz ±2%
Output THDv (@Linear Load)	<3% Linear Load
Protection	
Anti-islanding Protection	Si
Output Over Current	Si
DC Reverse Polarity Protection	Si
String Fault Detection	Si
AC/DC Surge Protection	DC Tipo II; AC Tipo III
Insulation detection	Si
AC Short Circuit Protection	Si
General Specifications	
Max. PV Efficiency	97,60 %
Euro. PV Efficiency	97,00 %
Dimensions WxHxD	540*980*240mm
Weight	42kg
Operating Temperature Range	-20 °C ~ +60 °C
Noise (dB)	<25
Cooling Type	Natural Convection
Max. Operation Altitude	3000m (Derating 2000 m)
Operation Humidity	0~95% (No Condensation)
IP Class	IP65
Topology	Battery Isolation
Communication	RS485/CAN2.0/WIFI/4G
Display	LCD/APP
Max. Unit in Parallel	4
Max. Batteries for Inverter Unit	8

E-CASA 5.0 HU

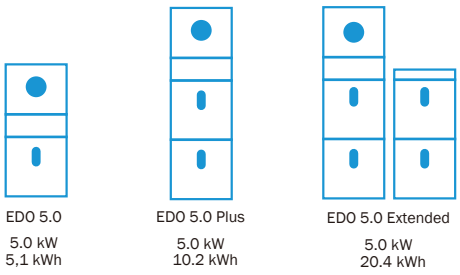
逆變器可轉換光電於常用電 (AC-負載)，並可轉換光電 (DC) 儲存於電池中
The inverter unit converts solar energy into usable electricity (AC)
and can also store the converted solar energy (DC) in batteries.

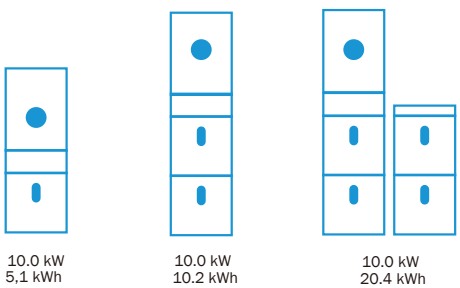
E-CASA 5.1 BU

保證電力消耗的高度自主性
家用電池壽命長，比市場上的其他技術具有更高的安全性。
磷酸鐵鋰不含任何有毒成分或重金屬，
所有這些都是為了保證一個完全綠色的供應鏈。

Guarantee extreme autonomy of electricity consumption
Long life of batteries for domestic use and gives greater security
than other technologies on the market.Lithium iron phosphate
does not contain any toxic components or heavy metals all for
guaratee a completely green supply chain.

Model Battery Pack Specification	E-CASA 5.1 BU
Rated Battery Voltage	51.2V
Battery Voltage Range	40~60 V
Max. Discgarging Current	80A
Max. Charging Current	50A
Battery Switch	Bipolar DC Switch (125A/Pole)
Energy Capacity	5.12kWh
Battery Type	LFP (LifePO4)
Depth of Discharge (DoD)	90%
Rated Voltage	51.2V
Operating Voltage Range	44.8~57.6V
Internal Resistance	≤ 20 mΩ
Number of Cycles	10.000 cicles
Operating Temperature Range	0~+50 (charge)/-10~+50 (discharge)
Storage Temperature Range	-30~+60
Humidity	0% ~ 90%
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PBCA temperature measurement
Communications	CAN e RS-485
Ventilation Type	Raffreddamento attivo o passivo
Weight (Kg)	59
Dimensions (WxHxD) mm	540*490*240
IP Protection	IP65
Warranty	5 years on product, 10 years on performance*
Safety (Cell)	IEC 62619 UL 1973 UN 38.3





Passed UL Standards

edo+

Energy design for everyone

EDO Plus 10kW

彩色觸控液晶顯示器，IP65防護，適合各種戶外環境
Colorful touch LCD, IP65 protection degree

AC couple 升級既有太陽能系統
AC couple to retrofit existing solar system

16 可達16台並聯，支援併網與離網；支援多電池並聯
Max. 16 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel

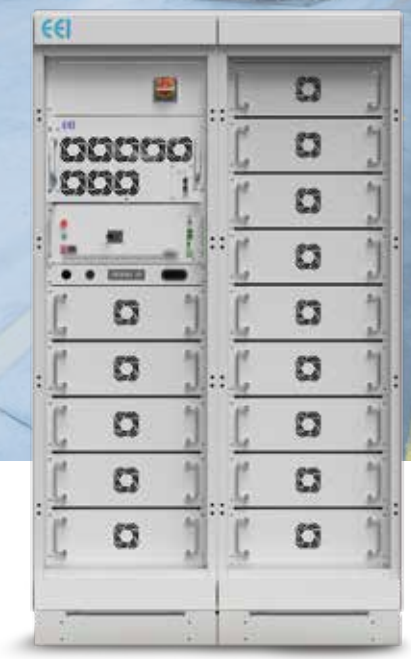
190 最大充放電電流達190A
Max. charging/discharging current of 190A

6 6個電池充放電時段，靈活調度電力
6 time periods for battery charging/discharging

支援儲存柴油發電機電力，提升能源自給能力
Support storing energy from diesel generator

EDO Plus 10kW

Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40-60
Max. Charging Current (A)	220
Max. Discharging Current (A)	220
Charging Strategy for Li-ion Battery	Self-adaptation to BMS
Number of Battery Input	1
PV String Input Data	
Max. PV Input Power (W)	13000
Max. PV Input Voltage (V)	500
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150-425
Rated PV Input Voltage (V)	370
Max. Operating PV Input Current (A)	26+26+26
Max. Input Short-Circuit Current (A)	44+44+44
No. of MPPT / No. of Strings per MPPT	3/2+2+2
AC Input/Output Data	
Rated AC Input/Output Active Power(W)	10000
Max. AC Input/Output Apparent Power(VA)	10000
Rated AC Input/Output Current (A)	41.7
Max. AC Input/Output Current (A)	41.7
Max. Continuous AC Passthrough (grid to load) (A)	60
Peak Power (off-grid)(W)	2 times of rated power, 10s
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Rated Input/Output Voltage/Range (V)	120/240; 208 0.88Un＜U＜1.1Un
Rated Input/Output Grid Frequency/Range(Hz)	60/55-65
Grid Connection Form	2L+N+PE
Total Current Harmonic Distortion THDi	<3% (of nominal power)
DC Injection Current	<0.5% In
Efficiency	
Max. Efficiency	97.6%
Euro Efficiency	96.5%
MPPT Efficiency	>99%
Equipment Protection	
Integrated	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection AC Output Overvoltage Protection, AC Output Short Circuit Protection, Thermal Protection DC Terminal Insulation Impedance Monitoring, DC Component Monitoring, Ground Fault Current Monitoring Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch Overvoltage Load Drop Protection, Residual Current (RCD) Detection, Surge protection level
Surge Protection Level	TYPE II(DC), TYPE II(AC)
Interface	
Communication Interface	RS485/RS232/CAN
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)
General Data	
Operating Temperature Range (℃)	-40 to +60℃, >45℃ Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude	2000m
Noise (dB)	<45
Ingress Protection(IP) Rating	TYPE 3R
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD mm)	420×670×233 (Excluding Connectors and Brackets)
Weight (kg)	35.6
Type of Cooling	Intelligent Air Cooling
Warranty	5 Years
Grid Regulation	IEEE 1547.1, SRD V2.0
Safety / EMC Standard	FCC, UL 1741



MAX BESS

MAX BESS

包含儲能電池與逆變器、BMS與能源管理系統：
憑藉其非常緊湊的尺寸，MAX BESS 是商業和工業環境中安裝的理想系統，同時因模組化與靈活的安裝方式，也適用於大型系統

Consisting of:
Inverter, Batteries, BMU, and Energy Management System
Thanks to its very compact dimensions it is the ideal system for installations in commerci and industrial contexts, but also for large-scale systems given the modularity and flexibility of installation.

Capacity: 72 kWh
Power: 70 kW

Capacity : 144 kWh
Power: 60 kW

Capacity: 200 kWh
Power: 90 kW

室外 Outdoor
適用於能源應用 Ideal for Energy applications
室內 Indoor
適用於電力應用 Ideal for Power applications

最大化不同電池的效率，安裝快速且直觀，並內建EMS和監控功能

Maximizes the efficiency of different batteries, is fast and intuitive to install, and includes built-in EMS and monitoring functions.

削峰填谷
Peak shaving and valley filling

降低電費，降低電價高峰期的用電量，使電能有效的運用。
Charge during low-priced periods and discharge during high-priced periods to profit from differences in electricity prices, a strategy known as peak and valley arbitrage.

電能品質
Power quality management

優化綠電品質
In regions with weak power quality, like remote areas, energy storage can enhance grid voltage regulation for improved power quality.

後備電源
Backup power

UPS 不斷電系統，可在電力短缺時提供備用電力。
UPS uninterruptible power supply system that provides backup power in the event of a power shortage.

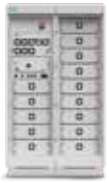
光儲充微電網
Optical storage and charging microgrid

透過能源與負載協和搭配、可彈性運用能源特性，建構區域微電網。
Combine power sources and loads to create a microgrid. Energy storage absorbs excess solar power and can discharge during peak electric vehicle charging times, easing strain on the distribution network.

需量反應
Demand Management

通過電力調整負載，可配合進行電力交易、需量反應、售電等。
Max demand management reduces short-term consumption spikes and lowers electricity bills by adjusting customer load characteristics.

室外 Outdoor
適用於能源應用 Ideal for Energy applications
室內 Indoor
適用於電力應用 Ideal for Power applications



Capacity: 72 kWh
Power: 70 kW

Capacity : 144 kWh
Power: 60 kW

Capacity: 200 kWh
Power: 90 kW

交流輸出參數 AC Output Parameters	MAX BESS 70_72	MAX BESS 60_144	MAX BESS 90_200
額定功率 Rated power	70kW	60kW	90kW
額定電壓 Rated voltage		400 Vac±10%	
額定頻率 Rated frequency		50/60Hz(±5Hz)	
額定輸出電流 Rated output current	101A	87A	130A
超載 Overload		110% (1 min every 30 min)	
交流連接 AC connection		3ph+N+PE Transformerless	
功率因數 Power factor		(0 leading ~ 0 lagging) @ rated Vdc	
總諧波失真 THDi		<3%	
斷路裝置 Disconnection device		AC Switch disconnector + fuses	
過壓保護 Overvoltage protection		Surge suppressors	

直流輸出參數 DC Output Parameters			
額定電壓 Rated voltage	—	750V	750V
額定電流 Rated current	—	160A	240A
額定功率 Rated power	—	120kW	180kW

電池組規格 Battery Pack Specification			
電池額定電壓 Battery rated voltage	716.8V	512V	716.8V
額定充放電電流 Rated current charge/discharge	100A	140A	140A
額定容量 Battery capacity	71.68kWh	143.36kWh	200.7kWh
電池類型 Battery type		LFT(LiFePO4)	
周期 Cycles	6000 cycles, 0.5C, 100% DOD, 25°C 3000 cycles, 1C, 100% DOD, 25°C	6000 cycles, 0.5 C, 100% DOD, 25°C	6000 cycles, 0.5 C, 100% DOD, 25°C
模組串聯 Modules in series	14	20	28

一般系統規格 General system specification			
尺寸(寬x高x深,mm) Dimensions (WxHxD,mm)	1113x1920x800	1700x2100x900	2250x2100x900
重量 Weight	1240kg	1940kg	2650kg
工作溫度範圍 Operating temperature range	0°C~+40°C	-10°C ~ +50°C	-10°C ~ +50°C
儲存溫度範圍 Storage temperature range	0°C~+40°C	-20°C ~ +60°C	-20°C ~ +60°C
濕度 Humidity		0~95% (non-condensing)	
防護等級 IP rating	IP21 INDOOR	IP54 OUTDOOR	IP54 OUTDOOR
冷卻 Cooling	Forced air	Forced air (converter section), Air conditioning (battery section)	Forced air (converter section), Air conditioning (battery section)
噪音水平 Noise level	<85dB	<80dB	<80dB
通訊 Communication	Modbus TCP/IP-4G and Wifi (optional)	Modbus TCP/IP - 4G (optional)	Modbus TCP/IP - 4G (optional)
海拔高度 Altitude		≤2000m	

標準和認證 Standards and Certifications	
安全性(電池) Safety(cell)	IEC 62619, UL 9540, UN 38.3
電磁兼容 EMC	EN61000-6-2, EN61000-6-4 / IEC 62477-1
電網代碼 Grid code	CEI 0-21 , CEI 0-16

交流充電站解決方案
AC CHARGING SOLUTION

HELIOS 07

智慧控制應用
INTELLIGENT CONTROL

- Wi-Fi 通信
- OCPP 協議
- 智慧充電 APP 控制
- Wi-Fi Communication
- OCPP Protocol
- Smart Charging via App

安全可靠
SAFE & SECURE

- B 型漏電斷路器
- Type B RCD

應用領域
APPLICATIONS

- 住宅區，如公寓和住宅
- 辦公樓、醫院、超市、汽車旅館等場所的停車場用於輕型商用電動車充電
- 電動車基礎設施運營商和服務提供商

- Residential areas such as apartments and dwellings
- Parking garages of office buildings, hospitals, supermarkets, motels, etc., for light commercial EV charging
- EV infrastructure operators and service providers

電源規格
POWER SPECIFICATION

AC 輸入電壓 AC Input Voltage	220VAC（1-phase 單相）
額定頻率 Rated Frequency	60Hz
AC 輸出額定電流 AC Power Output Rated Current	32A
連接器類型 Connector Type	IEC62196-2, Type 2, Cable 5m

用戶介面與控制
USER INTERFACE & CONTROL

充電控制 Charging Control	即插即用、RFID 卡 、APP 控制 Plug and Play, RFID Card or APP
指示燈號 Indicators	4個 LED 指示燈-電源/充電/故障/連接 Plug and Play, RFID Card, or App
外部通訊 External Communication	乙太網路、Wi-Fi
OCPP協議 OCPP Protocol	OCPP 1.6J

環境條件 ENVIRONMENT

儲存溫度 Storage Temperature	環境溫度 -40°C to 75°C ambient
工作溫度 Operating Temperature	環境溫度 -30°C to 55°C ambient
工作濕度 Operating Humidity	最高可達 95% 無凝結 Up to 95% non-condensing
海拔高度 Altitude	≤2000m
冷卻方法 Cooling Method	自然冷卻 Natural Cooling

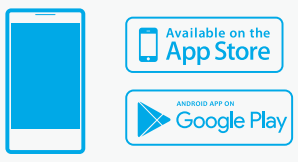
保護 PROTECTION

防護等級 IP degree	IP65, IK10
漏電斷路器類型 RCD	雙極, (B型漏電斷路器)
電氣保護 Electrical Protection	過壓/欠壓保護、過載保護、短路保護、漏電保護、接地保護、過溫保護 Over/Under Voltage Protection, Over Load Protection, Short Circuit Protection, Earth Leakage Protection, Ground Protection, Over-temp Protection.

其他特性 OTHER FEATURES

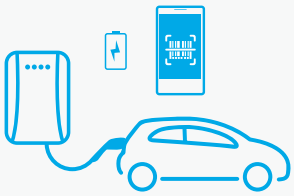
尺寸 (寬×高×深, mm) Dimension (W×H×D, mm)	215x309×114
重量 Weight	≤8kg
外殼材質 Enclosure Material	前面板：白色，塑料 後蓋：灰色，塑料 Front Panel: White, Plastic Back Cover: Grey, Plastic

使用方式 HOW TO USE

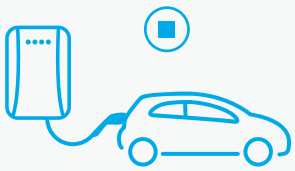


① 下載應用程式並登入
Download the App and sign in.

② 將充電纜線插入電動車
Plug the cable to the EV.



③ 掃描二維條碼開始充電
Scan the QR code to start charging.



④ 使用應用程式停止充電
Stop charging by App.

掃描二維條碼下載APP應用程式
Scan the QR code to download the App.

GET IT ON Google Play

Scarica su App Store

EXPLORE IT ON AppGallery

直流充電整合方案
EV AND FLEET CHARGING SOLUTION

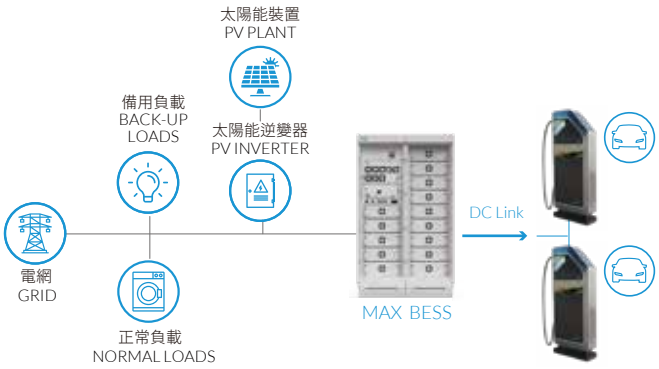
NEO 120

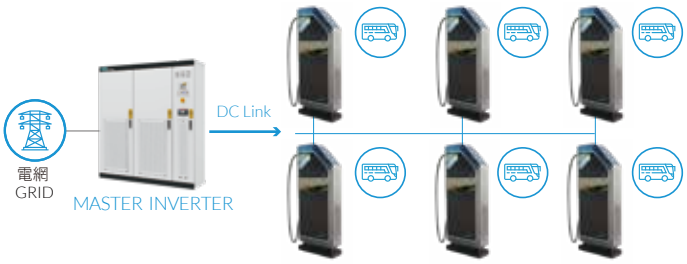
憑藉多年的電力電子經驗，EEI提供客製化電動車快速充電和車隊充電整合直流解決方案。

EEI提供完整的的解決方案，包括需求諮詢、工程安裝、遠端監控和售後服務，確保您無後顧之憂。

With its extensive experience in power electronics, EEI can provide customized turn-key DC charging solution to EV fast charging and fleet charging.

EEI provides comprehensive solution, demand consulting, engineering and installation, including remote monitoring and after-sales service





Increase charging power availability 提高充電功率可用性

Peak shaving to reduce grid stress 調峰以減少電網壓力

Time of use to optimize electricity cost 使用時間優化電力成本

Integration of renewable energy to optimize electricity cost 再生能源併網，優化電力成本

High efficiency operation 高效率運行

Lower cost for site cabling 降低現場機電設備建置成本

With BESS, reduce power demand from grid 搭配 BESS，減少電網的電力需求

服務 SERVICES

系統整合解決方案
System Integration Solution

- 需求分析
  Demand Analysis
- 解決方案建議
  Solution Proposal
- 專案執行
  Project Execution

軟體與服務 Software and Service

- 能量平衡與管理
  Energy Balance and Management
- 充電器與 PCS 監控和維護的後端軟體
  Backend Software for Charger and PCS Monitoring and Maintenance
- 客製化車隊管理解決方案
  Customized Fleet Management Solution
- 本地和遠端支援
  Local and Remote Support

參考配置 CONFIGURATION REFERENCE

	MAX BESS	MASTER INVERTER 750	
AC額定功率 ACRated Power	60 kW	720kW	
額定容量 Rated Capacity	144kWh	無電池 NO BESS	電池 With BESS
充電站數量 Number of Slim Chargers	NEO 120x1	NEO 120x5	NEO 120x12

直流充電樁規格 DC CHARGER SPECIFICATION

輸出 OUTPUT	NEO 80	NEO 120	NEO 240
DC 輸出電壓 DC Output Voltage	200~1000 V		
最大功率 Maximum Power	80 kW	120 kW	240 kW
最大輸出電流 Maximum Output Current	150 A	250 A	2x250 A
充電槍數量 Number of Gun	1	1	2
連接器類型 Connector Type	CCS2, Cable 5m		CCS2 ,Cable 6m
輸入 INPUT			
DC 輸入電壓 DC Input Voltage	750～825V (Full Power)		
最大輸入電流 Maximum Input Current	107 A	160 A	2x160 A
一般規格 GENERAL			
保護 Protection	IP54		
尺寸(寬x高x深,mm) Dimensions (WxHxD,mm)	1000x2200x310		1000x2200x620

電網級儲能 Grid ESS

ITALIAN
POWER
TECHNOLOGY

電網級儲能
Grid Energy Storage System

對於大型廠區、用電量大的園區或商業單位，可設置大型儲能設備，具備EMS系統，可進行智慧化、遠端的監控與操作:

- 進行電力調撥、自動化充放電調控：電力能源的控制、操控、監控、觀測，用電的削峰填谷
- 進行輔助服務，如需量反應、離尖峰時段充放電設置，以達到最大效益。
- 電力預測：自動化戰情室，對用電量做精準預測

20尺櫃
20ft Energy Storage System

Highly Integrated

Efficient and Flexible

Safety and Reliable

300kW

1-Hour		2-Hour		4-Hour	
ESS Power (kW)	ESS Capacity (kWh)	ESS Power (kW)	ESS Capacity (kWh)	ESS Power (kW)	ESS Capacity (kWh)
300	420	200	420	100	420

Electrical Parameters	
Maximum rated power	330 KW
AC Nominal voltage	3 ∮ 3 / 400Vac(+/- 10%)
Frequency	50Hz/ 60Hz (Automatic Detection)
Nominal Current	476A
Maximum Current	530A
Power Factor	-0.9 ... 1 ... +0.9
Efficiency	> 98%
Battery Parameters	
Cell Chemistry	LFPO
Operation voltage range	650 Vdc ~ 750 Vdc
Nominal Voltage	710 Vdc
Standard Charging Voltage	750 Vdc
Cutoff Voltage	650 Vdc
General Data	
Dimensions (L / W / H)	4100 / 2438 / 2896 mm
Weight	7.5 tons
Operating temperature range	0°C / +50°C
Max humidity (non-condensing)	95 %
Max altitude	asl 2000m

For heavy-duty power plant areas, large-scale industrial parks, or commercial units with high electricity consumption, the installation of large-scale energy storage facilities is possible. Equipped with an Energy Management System (EMS), these facilities enable intelligent, remote monitoring, and operation:

- Power allocation and automated charge/discharge regulation: Control, manipulate, monitor, and observe the energy resources to achieve peak shaving and valley filling in electricity consumption.
- Provide auxiliary services, such as demand response and scheduled charge/discharge during off-peak periods, to maximize efficiency.
- Power forecasting: Utilize an automated war Room to precisly predic electricity consumption

智慧用電園區
ESG & ESS

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