

E-Flexi

Integrated Mobile Battery & Charging Cabinet



Energy on Demand,
Powering a Bright Future.



Flexible Charging, Universal for All Scenarios

Designed for seamless integration across a wide range of electric-powered equipment, including **construction machinery**, **heavy-duty trucks**, **logistics vehicles**, **passenger cars** and other electric devices.
Supports **short-distance**, flexible charging from charging stations.

Versatile Interfaces — Built for Full Compatibility

Equipped with flexible **AC/DC** output options, including **CCS2**, **Powerlock (500A)**, **CEE 125A/63A/32A/16A**, and **3x Schuko (16A)**.
Designed to support multiple interfaces, offering a one-time investment with long-term scalability.

Plug-and-Play, Zero-Delay Deployment

Trailer-mountable design enables rapid deployment to **highway service areas**, **logistics parks**, **construction sites**, **event venues** and **urban charging gaps**, delivering instant access to power and effectively reducing charging anxiety.

All-in-One Cabinet, Maximize Investment Returns

Supports **frequency regulation** and **grid trading** functions, ensuring profitability during idle periods.

On/Off-Grid Dual Modes, Power Anytime, Anywhere

Equipped with a high-density energy storage system and an intelligent charging module, enabling **rapid charging for large vehicles without grid access**, while also supporting **off-grid power supply** for mining, construction sites, ports, and more.

System Topology Diagram



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Parameters	E-Flexi - 522	E-Flexi - 1044
Battery		
Cell type	LiFePO ₄ – 314Ah	
Module model	1P20S	
Battery capacity	522kWh	1044kWh
Battery charge and discharge power	250kW	500kW
AC Input (On–Grid)		
Grid connection type	3F+N+PE	
AC input current	173A/125A/63A/32A	433A/125A/63A/32A
Rated input voltage	400V	
Frequency	50Hz/60Hz	
Power factor	0.8 (Leading) ~ 0.8 (Lagging)	
Input interface	Powerlock 500A 5P (3F+N+PE) 400V, CEE 125A 5P (3F+N+PE) 400V, CEE 63A 5P (3F+N+PE) 400V, CEE 32A 5P (3F+N+PE) 400V	
AC Output (Off–Grid)		
Grid connection type	3F+N+PE	
AC output current	173A/125A/63A/32A/16A	250A/125A/63A/32A/16A
Rated output voltage	400V	
Frequency	50Hz/60Hz	
Power factor	0.8 (Leading) ~ 0.8 (Lagging)	
Output interface	Powerlock 250A 5P (3F+N+PE) 400V, CEE 125A 5P (3F+N+PE) 400V, CEE 63A 5P (3F+N+PE) 400V, CEE 32A 5P (3F+N+PE) 400V, 3*Schuko 16A	
DC Input		
DC Max. input power	468kW	
Rated input voltage	728V ~ 936V	
Max. charging current	314A	500A
Input interface	CCS2	
DC Charger		
DC output power	240kW	360kW
Output voltage range	150V~1000V	
Output current	Single gun rated at 375A	
Max. output current per charging gun	500A	
Output interface	2*CCS2, 7m wire length	
General Parameters		
Product configuration	All-in-one, integrated charger, power conversion, switchgear, etc.	
Operation mode	on-grid, off-grid	
Protection level	IP54	
Cooling method	HVAC	
Fire fighting system	Novec1230 & water fire suppression automatic fire extinguishing system	
Anti-corrosion grade	C3	
Seismic rating	8	
Relative humidity	0–95% (non-condensing)	
Operating temperature*	–30℃~50℃	
Operating altitude**	<3000m	
Noise emission	≤65dB	
Installation mode	Hoisting or Forklift	
Communication mode	4G SIM card	
Control method	HMI local control	
Dimension	10ft, international standard HQ	
Max. weight	About 9500kg	About 14000kg
Certifications	CE, UN3536, IEC62619	

* The system will be derated when the ambient temperature exceeds 45℃.

** The system will be derated when the altitude exceeds 3000m.



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