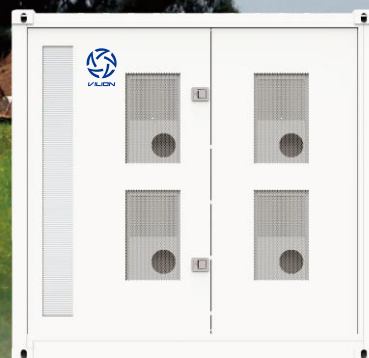


E-Flexi

Integrated Mobile Battery&Charging Cabinet



Energy on Demand,
Powering a Bright Future.



Multiple Safety Protection Design

Advanced thermal management, individually isolated battery cabinets, fire warning systems, and fire leakage prevention measures enhance the system's safety and ensure stable operation in harsh environments.



High-Efficiency Integrated Design

Highly integrated battery storage, charging, and power conversion modules with DC charging functionality, minimizing energy conversion losses and significantly improving system efficiency.



Intelligent Control and Remote Monitoring

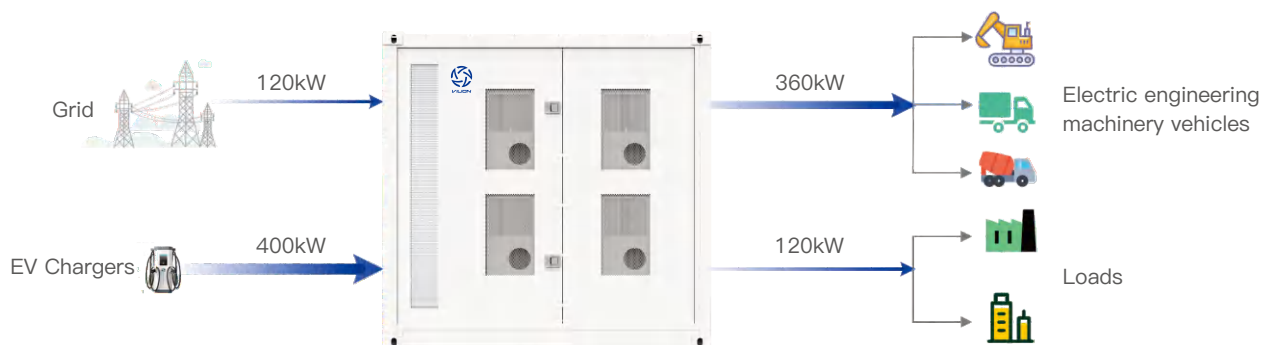
Supports local operation, web-based, and app remote control for transparency and control, offering efficient management and maintenance.



Durable and Flexible Deployment

Robust structure with flexible mobility for quick on-site deployment and adaptability to various complex scenarios.

System Topology Diagram



Parameters

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Battery Side Parameters

Cell type	LiFePO ₄ – 314Ah
Module model	1P20S
Battery capacity	1044 kWh

AC Input Parameters

Grid connection type	3P4W
AC input power	120kW
Rated input voltage	400V
Frequency	50Hz/60Hz
Rated current	172A
Power factor	0.8 (Leading) ~ 0.8 (Lagging)
Input interface	Powerlock 172A 5P (3F+N+PE) 400V

AC Output Parameters

Grid connection type	3P4W
AC output power	120kW
Rated output voltage	400V
Frequency	50Hz/60Hz
Power factor	0.8 (Leading) ~ 0.8 (Lagging)
Output interface	Powerlock 172A 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, CEE 16A 5P(3F+N+PE) 400V, 3*Schuko 16A

DC Input Parameters

DC input power	400kW
Rated input voltage	DC1000V
Rated current	500A
Input interface	CCS2

DC Output Parameters

DC output power	360kW
Rated output voltage	DC832V
Voltage range	726V~936V
Rated current	375A
Output interface	2*CCS2,7m wire length

General Parameters

Product configuration	AI-in-one, integrated charger, power conversion, switchgear, etc.
Operation mode	on-grid, off-grid
Protection level	IP54
Cooling method	HVAC
Fire fighting system	Novec1230 automatic fire extinguishing system
Anti-corrosion grade	C3
Relative humidity	0~95% (non-condensing)
Operating temperature*	-30℃~50℃
Operating altitude**	<2000m
Noise emission	≤65dB
Installation mode	Lifting, container corner reserved lifting points.
Communication mode	4G SIM card
Control method	HMI local control, web and app control
Dimension	10ft, international standard HQ
Weight	About 14000kg
Certifications	CE, UN3536, IEC 62619

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

** The system will be derated when the altitude is between 2000m and 3000m.

