

COMMERCIAL & INDUSTRIAL ESS CABINETS

RECHARGEABLE

LFP BATTERY

Energy storage system



Safety & Reliability

Independent safety zones, real-time monitoring and early warning ensure system stability.



Cost Efficiency

Zero standby loss and high-efficiency variable frequency cooling reduce energy consumption.



Smart Operation

Peak shaving, load management and remote data access support unattended operation.



Easy Expansion

Factory pre-commissioned, plug-and-play design supports seamless multi-unit expansion.



Technical Specification



Compact & Convenient
0.96m² footprint,
easy to transport and install.



PV pluggable
Support PV connection,
with higher integration.



Expandable & Modular
Easy modular design supports parallel
connection for convenient system expansion.



Self-developed
LFP314Ah battery cell system integration,
leading cost advantage, 3S fusion.



Versatile
Support multiple brands of hybrid inverter,
with higher selectivity.



Easy O&M
Support multiple ways of operation and
maintenance, including onsite, cloud.

Parameter

Rated Power	50KW optional	Nominal Energy	241KWH
Stored Energy	241kWh	Grid Type	3L+N+PE
Rated AC Voltage	AC380/400V (-15%~15%)	life Cycle	>6000 times
Battery DC Voltage	768Vdc	Battery Type	LifePO4 lithium battery
Capacity	314AH	cooling method	Air conditioner
Max DC Power	50KW	Max.Efficiency	0.99
Charge/Discharge Rate	Support 1C	Max. PV Access Power (W)	100KW
MPPT Voltage Range (V)	150-850	Max. PV Input Voltage (V)	1000V
Casing Material	Steel	IP Rating	IP55
Communication	Ethernet / 4G / RS485 / CAN	Monitoring	PC/ Cloud
Weight lbs.(kg)	3000KG	Dimension(L×W×H)	1600 x 1000 x 2160mm
Rated Frequency	50HZ	Noise Level	≤ 60dB
Overload Capacity	110% continuous	Fire Protection	Aerosol firefighting
Operating Temperature Range[° C]	-30—+60	Anticorrosion Rating	C4 (C5 optional)