

UE-I SERIES

UE-51.2LI280I

Homebox

Our low-voltage system is designed for domestic energy storage scenarios with a sleek and stylish appearance. It uses a high-capacity 280Ah battery to support 50 parallel units with a capacity range of 15 kWh to 716.8 kWh. It provides a highly secure, reliable, intelligent, and enjoyable experience.



Flexible expansion

Up to 50 units in parallel, with a capacity of 15 kWh to 716.8 kWh. Safe, reliable, smart, and user-friendly.

No blackouts

Maximum discharge current: 200 A, supplying power to multiple loads simultaneously.

Ultra-secure

Intelligent fire extinguishing system that reacts in 5 seconds.

Easy Installation

60% less volume, 25% less weight, easy to move by one person with wheels.

Self-heating

Operating temperature from -20°C to 55°C (optional).

Long-term reliability

LFP cells, 8000+ cycles, 10-year warranty.

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TECHNICAL SPECIFICATIONS

Battery Type	LiFePO ₄
Nominal battery energy	14.336kWh
Nominal voltage/capacity	51.2V/280Ah
Recommended charging/discharging current	140A (0.5C)
Max. charging current	200A
Max. Discharge current	200A
Maximum discharge current	300A (2mins, 25°C)
Depth of discharge	95%
Communication	CAN/RS485
Life cycle*	≥ 8000 Cycles / 10 years
Degree of protection	IP20
Net weight	114kg
Dimensions [L/W/H]	435/233/857 mm (without wall mounting bracket)
Adjustment wheel (4 pieces)	1kg, 80/80/80 (optional)
Top cover	2kg, 422/232/60 (optional)
Maximum parallel modules	50
Charging temperature range	55°C/-20-55°C (optional)
Discharge temperature range	-20-55°C
WIFI module	Built-in WiFi module; APP OTA function
Fire protection system	Built-in aerosol fire extinguisher
Certification and Safety Standards	UN38.3/CE-EMC/IEC62619
Compatible inverters	SMA/Victron energy/Ingeteam/Solis/GoodWe/MasterPower/ Growatt/Solplanet/Luxpower/DEYE/Voltronic etc.

*Test conditions: 0.2 C charging and discharging. @25 °C, 95% DOD