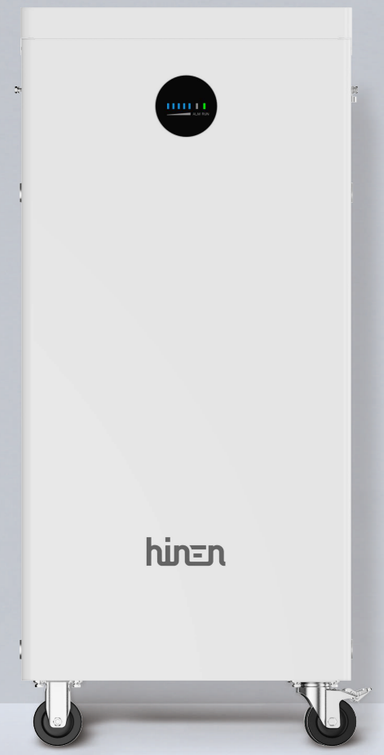
B16000

16kWh Low-voltage Battery

- 16.07-96.42kWh flexible capacity expansion, meet the needs of the whole family
- Compact high-density design, maximizes storage capacity while saving space
- High-efficiency 240A peak current (60s) for heavy-duty equipment starts
- Superior Safety with Triple Battery Protection：
  ①Full coverage temperature detection
  ②BMS intelligent control, over-temp., over-current, over-voltage protection
  ③Built-in overcurrent protection switch, protect the battery from short-circuit
- Visible energy tracking & remote upgrade on Hinen APP



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Technical Specification

Model	B16000
Rated Energy*	16.07kWh
Usable Energy	14.47kWh
Battery Type	LFP($LiFePO_4$)
Number of Modules	1
Battery	16S1P
Cycle Life	6000 cycles
Rated Voltage	51.2V
Operating Voltage Range	40-57.6V
Peak Current	240A 60S
Depth of Discharge（DOD）	90%
Max Continuous Charge/ Discharge Current*	200A
Rated Power*	10.24kW
Run Log Recording	32M Byte
Communication	RS485/CAN
Weight	115kg
Dimensions(W*H*D) (mm)	402.4*913.4*265.9mm
Operating Temperature	Charge:0℃ < T < 55℃/Discharge：-20 < T < 60℃
Storage Temperature	-20~40℃(≤One Month)/-0~35℃(≤One Year)
Humidity	⩽10-85%
Altitude	⩽2000m
Ingress Protection Rating	IP21 (Indoor)
Installation	Floor Stand
Standard and Certification	CE, RCM, EMC, CEC, CEI, ROHS, S-Mark, KBIA, UL IEC 62619:2022, IEC 60730-1 Appendix H, EN 61000-6-1/3, IEC 60529:2020, IEC 60068-2-52:2018, IEC 62040.1:2017(or IEC 62368-1:2018), UL 1973:2022, UL 9540A:2019, JIS C8715-2:2019 UN 38.3, MSDS
Warranty	5 Years

Rated Capacity*:Test Conditions, 100% DOD,0.5C Charge & Discharge at +25±3℃

Usable Energy*:Test Conditions,90% DOD,0.5C Charge & Discharge at +25±3℃

Max Charge/Discharge Current*/Rated Power*:Max Continuous Charge/Discharge and Power Derating Will Occur Related to Temperature and SOC