RESIDENTIAL ENERGY STORAGE

EB-1608

Floor-standing $LiFePO_4$ battery system · 16.08 kWh



WHEELED FLOOR CABINET

16.08 kWh TOTAL CAPACITY	**51.2 V** RATED VOLTAGE
200 A MAX CURRENT	**6000+ cyc** CYCLE LIFE
5 yr WARRANTY	**120 kg** WEIGHT

HIGHLIGHTS

Fast Charge / Discharge
Up to **200 A** discharge current, powering multiple loads at once.

Ultra Safe
Intelligent fire-suppression system detects and extinguishes fire in **5 s**.

One-Person Install
Built-in wheels let a single person reposition the cabinet with ease.

Long-Term Reliability
314 Ah LFP cells, **6000+** cycles, backed by a warranty of **5 years.**

Built-in Wi-Fi optional
Real-time monitoring and remote firmware upgrades over the cloud.

IP54 Enclosure
Dust- and splash-protected housing for sheltered indoor / outdoor siting.

Up to 16 in Parallel
No DIP switches — automatic address coding for parallel operation.

Auto Master–Slave Sync
Firmware updates on the master unit propagate to every slave automatically.

SPECIFICATIONS

ELECTRICAL PARAMETERS

Battery type	$LiFePO_4$
Battery capacity	16.08 kWh
Rated voltage	51.2 V
Voltage range	44.8 – 57.6 V
Max charge / discharge rate	0.5 C
Max charge / discharge current	200 A
Depth of discharge (DOD)	≤ 90%
Cycle life (25°C, 0.5C)	≥ 6000 cycles, 80% retention
Scalability (parallel)	Max. 16 units in parallel

GENERAL DATA

Communication	RS485 / CAN 2.0
Operating temperature	0~50°C chg / -10~55°C dis
Storage temperature	-15°C ~ 60°C
Cooling method	Natural convection
Altitude	≤ 3000 m
Ambient humidity	20–95% non-condensing
Noise	< 25 dBA
Ingress protection	IP54
Dimensions (H×W×D)	845 × 450 × 251 mm
Weight	120 kg
Installation	Floor standing

COMPATIBLE INVERTERS

victron energy · SUNGROW · Growatt · GOODWE · Deye 德業 · solis · SAJ · Afore · 爱士惟 AISWEI · LUX POWER TEK · hoymiles · RENAC · invt · MUST · MEGAREVO · INHENERGY · Voltronic Power

Note: Values above follow the EB-1608 specification sheet. The enclosure rating is listed as **IP54**; some marketing material states IP65 — confirm the certified rating before publishing. Specifications are subject to change without notice. © DX Energy.