HUMELIX LIMITED

ENERGY STORAGE

PRODUCT CATALOGUE

LiFePO4 Battery Systems

Wall-Mounted | Floor-Standing | Cabinet | Stackable



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Product range at a glance

13 configurations across seven product families

25.6V wall-mounted	**2.56 / 5.12 kWh**
51.2V wall-mounted	**5.12 / 10.24 / 15.36 kWh**
51.2V floor-standing	**16.0768 kWh**
51.2V stackable modules	**5.12 / 10.24 kWh**
High-capacity cabinets	**20.48 / 30.72 kWh**
Compact cabinet	**20.48 kWh**
High-voltage stacks	**100.352 / 199.68 kWh**

Specifications reproduced from the supplied product reference; confirm availability and terms before ordering.

Wall-mounted battery systems

25.6V | 100Ah and 200Ah

PRODUCT OVERVIEW

Low-voltage wall-mounted lithium iron phosphate storage with integrated battery management and front status display.



TECHNICAL SPECIFICATIONS

Nominal voltage	25.6 V
Rated capacity	100 / 200 Ah
Nominal energy	2.56 / 5.12 kWh
Max. continuous discharge	100 / 100 A
Standard charge current	25 / 50 A
Dimensions (mm)	400x160x450 / 400x160x650
Net weight	28.33 / 48 kg
Battery chemistry	LiFePO4
Listed warranty	5 years
Depth of discharge	95%

KEY FEATURES

- Front battery status display
- Integrated BMS protection
- Two wall-mounted enclosure sizes

Wall-mounted battery systems

51.2V | 100Ah, 200Ah and 300Ah

PRODUCT OVERVIEW

Three capacities for residential and commercial energy storage, with battery status display and model-specific discharge performance.



KEY FEATURES

- Integrated BMS and front display
- Bluetooth on 200Ah / 300Ah
- 95% listed depth of discharge

TECHNICAL SPECIFICATIONS

Nominal voltage	51.2 V
Rated capacity	100 / 200 / 300 Ah
Nominal energy	5.12 / 10.24 / 15.36 kWh
Max. discharge	100 / 150 / 200 A
Standard charging	50 A
Dimensions (mm)	460x195x642 (100Ah)
200Ah dimensions	460x195x955 mm
300Ah dimensions	460x280x975 mm
Net weight	48 / 86 / 125 kg
Listed warranty	5 years
Depth of discharge	95%

Floor-standing battery

51.2V | 314Ah

PRODUCT OVERVIEW

Floor-standing LiFePO4 storage unit providing 16.0768 kWh nominal energy, with integrated protection and front display.



TECHNICAL SPECIFICATIONS

Nominal voltage	51.2 V
Rated capacity	314 Ah
Nominal energy	16.0768 kWh
Max. discharge	200 A
Standard charging	50 A
Dimensions	500x235x707 +/-3 mm
Net weight	125 kg
Battery chemistry	LiFePO4
Listed warranty	5 years
Depth of discharge	95%

KEY FEATURES

- Floor-standing enclosure
- Battery status display
- 200A continuous discharge rating

Stackable battery modules

51.2V | 100Ah and 200Ah

PRODUCT OVERVIEW

Modular low-voltage LiFePO4 storage with parallel stacking capability. Series connection is not permitted.



KEY FEATURES

- Parallel stack expansion
- Integrated BMS and display
- Series connection prohibited

TECHNICAL SPECIFICATIONS

Nominal voltage	51.2 V
Rated capacity	100 / 200 Ah
Nominal energy	5.12 / 10.24 kWh
Max. discharge	100 A each
Standard charging	20 A each
Dimensions (100Ah)	720x400x200 mm
Dimensions (200Ah)	700x400x327 mm
Net weight	48.3 / 77 kg
Connection	Parallel only
Listed warranty	5 years
Depth of discharge	95%

High-capacity battery cabinets

51.2V | 400Ah and 600Ah

PRODUCT OVERVIEW

High-capacity LiFePO4 storage in tall cabinet and floor-standing formats, suitable for larger energy requirements.



KEY FEATURES

- Cabinet and floor-standing options
- Bluetooth specified on 600Ah
- Integrated battery management

TECHNICAL SPECIFICATIONS

Nominal voltage	51.2 V
Rated capacity	400 / 600 Ah
Nominal energy	20.48 / 30.72 kWh
Max. discharge	200 A each
Standard charging	100 / 50 A
Dimensions (400Ah)	305x721x938 mm
Dimensions (600Ah)	800x400x1152 mm
Net weight	188 / 267 kg
Listed warranty	5 years
Depth of discharge	95%

Compact cabinet battery

51.2V | 400Ah

PRODUCT OVERVIEW

A compact 20.48kWh LiFePO4 cabinet with a front battery display, integrated BMS and Bluetooth functionality.



KEY FEATURES

- Compact enclosure
- Bluetooth connectivity
- Integrated front display

TECHNICAL SPECIFICATIONS

Nominal voltage	51.2 V
Rated capacity	400 Ah
Nominal energy	20.48 kWh
Max. discharge	200 A
Standard charging	50 A
Dimensions	735x377x515 mm
Net weight	160 kg
Charge cut-off	58.4 V
Discharge cut-off	40 V
Listed warranty	5 years
Depth of discharge	95%

High-voltage battery systems

358.4V 280Ah | 665.6V 300Ah

PRODUCT OVERVIEW

High-voltage series-stacked LiFePO4 battery systems. The stated dimensions and weight apply per layer, not to the entire stack.



KEY FEATURES

- Series-stacked high-voltage design
- Parallel connection prohibited
- Per-layer measurements shown

TECHNICAL SPECIFICATIONS

Nominal voltage	358.4 / 665.6 V
Rated capacity	280 / 300 Ah
Nominal energy	100.352 / 199.68 kWh
Max. discharge	140 A each
Standard charging	50 / 60 A
Charging temperature	0 to 50 C
Discharge temperature	-10 to 50 C
Storage temperature	-10 to 45 C
Dimensions per layer	695x456x276 mm
Weight per layer	115 kg
Connection	Series only
Listed warranty	5 years
Depth of discharge	95%