

Versatile.
Powerful.
Compact.

16K0-LV

LOW VOLTAGE

Lithium Energy storage system

WeCo Brand and logo are registered brands of WeCo srl **Italia**

16K0-LV

Specifications

BATTERY	Maximum capacity of the storage system	16.06 kWh
	Battery system capacity	16.06 kWh
	Rated voltage of the individual module	51.2 Vdc
	Maximum depth of discharge	Up to 100%
SYSTEM	Modules expandability	28
	Input protection	IP66
	Voltage range	46.5 ~ 56.8 VDC
	Net capacity	314 Ah at 0.5C 25°C
COMUNICATION	Communication interface	RS485, CAN, RS232, Wi-Fi & Bluetooth (with external device)
BASIC PARAMETERS	Dimensions (W x D x H) (mm)	480 × 1000 × 262
	Weight	130 kg
	Max. Charge/discharge current	320 A DC
	Recommended Charge/discharge current	0.5 C
	Standard charge/discharge current	157 A
	Discharge temperature	-20 ~ +60 °C *
	Charge temperature	-5 ~ +55 °C *
	Standard temperature range	25 °C ± 10°C
	Humidity	5 % ~ 95 % no condensation
	Altitude	< 3000 m
	Expected life cycle @ STC	> 8000 (25°C 90% DoD)
	Standard	CB / IEC62368-1 / IEC62619 / CE /EMC / UN38.3
	Safety features	CAN discharge logic, 3-step adaptive charging logic 2 x programmable DI / DO Optional device for remote monitoring and control with WeCo App for Android / iOS Pre-Charge + Contactor Protection Three levels of protection, real-time balancing, adaptive charging



*The above temperatures are limited to BMS ranges, such values may not be covered by the performance warranty.
It is recommended to contact WeCo for the latest datasheet, read the warranty and manual before making any purchasing decisions.
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FEATURES

IP66 PROTECTION

With its IP66 rating, it provides dust tightness and water resistance, ensuring maximum performance in harsh conditions.

ADVANCED FIRE SUPPRESSION SYSTEM

Safety always comes first!
Each battery module is equipped with a sophisticated fire suppression system, providing unparalleled security and peace of mind.

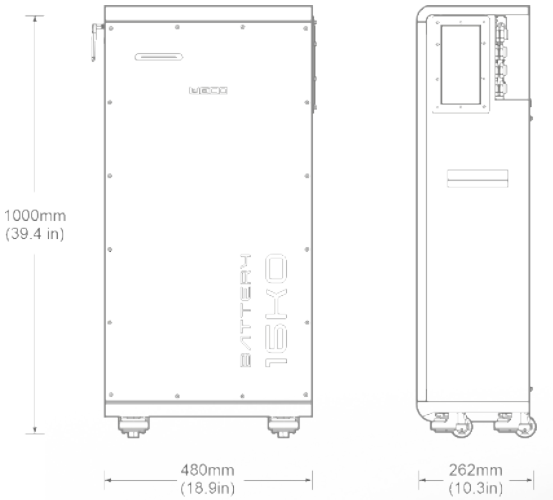
SMART BMS TECHNOLOGY

It protects, balances and manages charging:
all in one BMS.

POWER AND MODULAR CAPACITY

The 16K0 can support up to 28 modules in parallel for unprecedented capacity

- Up to 4 modules in direct parallel per cluster
- Up 7 clusters, 28 modules in total
- Up to 155Adc Charge and Discharge per battery
- Plug & Play configuration
- WiFi and BT WeCo App





16K0-LV

LITHIUM ENERGY STORAGE SYSTEM



The next generation of batteries has arrived: it's called WeCo.

FEATURES

QUICK INSTALLATION
Easy installation with Plug & Play self-configuration.

IP 66 PROTECTION
With its IP66 rating, it provides dust tightness and water resistance, ensuring maximum performance in harsh conditions.

EXPANSION MODULE
Support up to 28 modules in parallel for unprecedented capacity

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Download on the App Store

Available on the Google play

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