INDUSTRIAL HIGH VOLTAGE

Enhance reliability, integrate renewables, and manage costs with high voltage storage.



16K0 HV

INDUSTRIAL ENERGY STORAGE

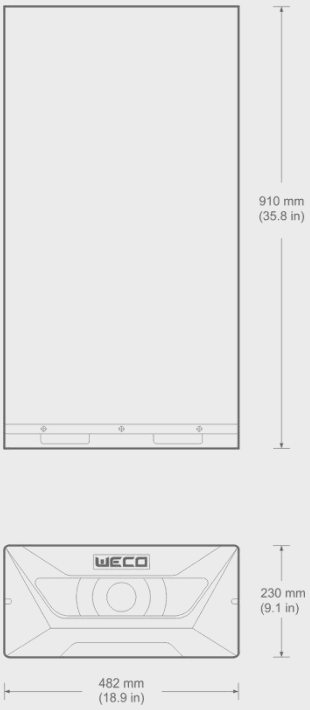
APPLICABLE TO A-KOOL OR RACK TYPE CABINET

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

16K0 HV
SINGLE MODULE

Specifications

BATTERY	Battery System Maximum Capacity	16.08 kWh
	Battery System Capacity	16.0 kWh
	Single Module Nominal Voltage	51.2 Vdc
	Depth of Discharge	Up to 98%
SYSTEM	Modules Expandability	Max. 17 per cluster – Up to 8 clusters with HV-HUB
	Ingress Protection	IP30 (or WeCo Cabinet A-Kool)
	Cluster Net Capacity (min. / max.)	80,4 kWh / 273,3 kWh
	Module Voltage Range	46.5 ~ 56,8 Vdc
	Cell Capacity	314 Ah
COMMUNICATION	Communication Interface	RS485, CAN, RS232, Wi-Fi & Bluetooth (with External Device)
BASIC PARAMETERS	Dimensions (W x D x H)	482 × 910 × 230 mm
	Weight	109 kg
	Max. Charge / Discharge Current Peak	Up to 1C max.
	Standard Charge / Discharge Current	0.5C
	BMS Working Temperature	-20 ~ +60 °C
	BMS Charge/Discharge Temperature	-5 ~ +55 °C / -20 °C +55 °C
	Recommended Operative Temperature	+10 °C +35°C
	Humidity	5 % ~ 95 % RH
	Altitude	< 3000 m
	Expected Cycle Life @ STC	> 8000 (25 °C 80% DoD)
	Standards	CB / IEC62368-1 / IEC62619 / CE / UN38.3
	Features	HV BOX must be used in the system, Three Protection Levels, Real-Time Balancing, Adaptive Charge/ Discharge CAN Logic, 3-Steps Adaptive Charging Logic





The above-mentioned temperatures are limited to the BMS ranges, such values may not be covered by the performance warranty.
We recommend contacting WeCo for the most up-to-date datasheet, warranty and manual before making any purchasing decisions.
No part of this document can be copied or reproduced without WeCo written permission.
All data is subject to change without prior notice.

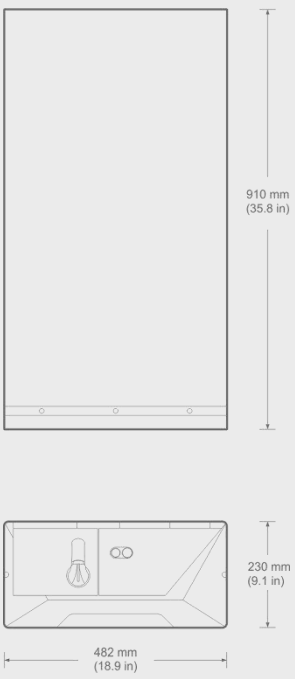
16K0HV BOX

HV BOX CONTROLLER

Specifications

HV BOX	System Maximum Voltage	1000 Vdc
	Operative Voltage	250 ~ 1000 Vdc
	Standard Current	175A
	Max. Current	350A
SYSTEM	Min. / Max. Battery Modules Connectable	Min. 5 ~ Max. 17
	Ingress Protection	IP30 (WeCo Cabinet Application Only)
	Start Up Voltage	250Vdc
	Control Type	EMS + cascade BMS
	Protections	Main Contactor / Manual Breaker / Fuse
COMMUNICATION	Communication Interface	RS485, CAN, RS232, Wi-Fi & Bluetooth (with external device)
BASIC PARAMETERS	Dimensions (W x D x H) (mm)	482 × 910 × 230
	Weight	24 kg
	Pre-charge Circuit	Yes - Programmable
	AUX / IN	DI/DO programmable + HV Combiner
	BMS Working Temperature	-20 ~ +60 °C
	BMS Charge/Discharge Temperature	-5 ~ +55 °C / -20 °C +55 °C
	Recommended Operative Temperature	+10 °C +35 °C
	Humidity	5 % ~ 95 % RH
	Altitude	< 3000 m
	Standards	CB / IEC62368-1 / LVD / CE / IEC 61400 /RoHS
	Features	HV BOX must be used in the system, Three Protection Levels, Real-Time Balancing, Adaptive Charge/Discharge CAN Logic, 3-Steps Adaptive Charging Logic





The above-mentioned temperatures are limited to the BMS ranges, such values may not be covered by the performance warranty.
We recommend contacting WeCo for the most up-to-date datasheet, warranty and manual before making any purchasing decisions.
No part of this document can be copied or reproduced without WeCo written permission.
All data is subject to change without prior notice.



Stability.
Scalability.
Reliability.

Configure your industrial energy storage rack system with modular design, advanced control interfaces, and scalable capacity for adaptable, efficient, and resilient power management.

CABINET / RACK CAPACITY	MODULES IN SERIES	MIN. VOLTAGE	MAX. VOLTAGE	A-KOOL	RACK
192.8 kWh	12	576 VDC	681,6 VDC	✓	✓
208.9 kWh	13	624 VDC	738,4 VDC	✓	✓
225.0 kWh	14	672 VDC	795,2 VDC	✓	✓
241.1 kWh	15	720 VDC	852 VDC	✓	✓
257.1 kWh	16	768 VDC	908,8 VDC	✗	✓
273.2 kWh	17	816 VDC	965,6 VDC	✗	✓

WeCo Srl a Socio Unico
Viale J. F. Kennedy 113-121
50038 Scarperia e San Piero
Firenze, Italy

weco@wecobatteries.com
www.wecobatteries.com

Download on the App Store

Available on the Google play

Images herein are for demonstration only and may not reflect final product outlook. Confirm current data with WeCo before purchase.
Unauthorized use, copying, or reproduction of design, logo or content is prohibited. WeCo is a registered brand of WeCo Srl Italia