



Versatile.  
Powerful.  
Compact.

**16K0-LV**

**LOW VOLTAGE**

Lithium energy storage system



# 16KØ-LV

## Specifications

|                     |                                        |                                                                                                                                                                                                                                                                              |
|---------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BATTERY             | Maximum capacity of the storage system | 16.3 kWh                                                                                                                                                                                                                                                                     |
|                     | Battery system capacity                | 16.07 kWh                                                                                                                                                                                                                                                                    |
|                     | Rated voltage of the individual module | 51.2 Vdc                                                                                                                                                                                                                                                                     |
|                     | Maximum depth of discharge             | Up to 98%                                                                                                                                                                                                                                                                    |
| SYSTEM              | Modules expandability                  | 105 with LV HUB Accessory                                                                                                                                                                                                                                                    |
|                     | Input protection                       | IP66                                                                                                                                                                                                                                                                         |
|                     | Voltage range                          | 46.5 ~ 56.8 Vdc                                                                                                                                                                                                                                                              |
|                     | Net capacity                           | 314Ah                                                                                                                                                                                                                                                                        |
| COMUNICATION        | Communication interface                | RS485, CAN, RS232, Wi-Fi & Bluetooth ext dongle                                                                                                                                                                                                                              |
| BASIC<br>PARAMETERS | Dimensions (W x D x H) (mm)            | 492 × 580 × 155                                                                                                                                                                                                                                                              |
|                     | Weight                                 | 109 kg                                                                                                                                                                                                                                                                       |
|                     | Max. Charge/discharge current          | 320 A DC                                                                                                                                                                                                                                                                     |
|                     | Standard charge/discharge current      | 155Adc                                                                                                                                                                                                                                                                       |
|                     | 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 80% DoD)                                                                                                                                                                                                                                                        |
|                     | Standard                               | CB / IEC62368-1 / IEC62619 / CE /EMC / UN38.3                                                                                                                                                                                                                                |
|                     | Safety features                        | CAN discharge logic, 3-step adaptive charging logic<br>2 x programmable DI / DO<br>Optional device for remote monitoring and control with WeCo App for Android / iOS Pre-Charge + Contactor Protection<br>Three levels of protection, real-time balancing, adaptive charging |



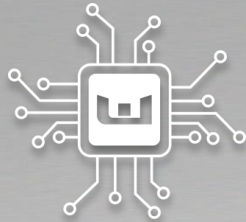


## FEATURES



### SEISMIC PROOF STRUCTURE

The battery exhibits exceptional resilience to seismic activity, ensuring uninterrupted power supply and system reliability during earthquakes



### ALWAYS BALANCED CLUSTER Automatic balancing control logic



### POWER AND MODULAR CAPACITY

16K0 can support up to 105 modules in parallel for unprecedented capacity

- Plug and Play Expansion with Master Controller
- Up to 105 modules per cluster
- Expand capacity later
- Plug & Play configuration

### EASY EXPANDABILITY AT ANY TIME

965mm  
(38.0 in)



480mm  
(18.9 in)



262mm  
(10.3 in)



# 16KØ-LV

LITHIUM ENERGY STORAGE  
SYSTEM

**WECO**

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

**WECO**

BATTERY  
16KØ

## FEATURES



### QUICK INSTALLATION

Easy installation with Plug & Play self-configuration.



### SEISMIC PROOF STRUCTURE

uninterrupted power supply and system reliability during earthquakes



### EXPANSION MODULE

support up to 105 modules in parallel for unprecedented capacity



**WECO**

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