

WECO



14K3

Versatile.
Powerful.
Compact.

14K3-LV

LOW VOLTAGE

Lithium Energy Storage System



14K3-LV

Specifications

BATTERY	Battery System Maximum Capacity	14,6 kWh
	Battery System Capacity	14.36 kWh
	Single Module Nominal Voltage	51.2 Vdc
	Depth of Discharge	Up to 98%
SYSTEM	Modules Expandability	15 direct parallel / 105 with LV HUB
	Ingress Protection	IP66
	Voltage Range	46.5 ~ 56.8 Vdc
	Usable Capacity	280 Ah
COMMUNICATION	Communication Interface	RS485, CAN, RS232, Wi-Fi & Bluetooth (with External Device)
BASIC PARAMETERS	Dimensions (W x D x H) (mm)	492 x 580 x 155
	Weight	84 kg
	Max. Charge / Discharge Current	280 Adc
	Standard Charge / Discharge Current	0.5C 140 Adc
	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 Cycle Life @ STC	> 8000 (25°C 80% DoD)
	Standards	CB / IEC62368-1 / IEC62619 / CE /EMC / UN38.3
	Features	Discharge CAN Logic, 3-Steps Adaptive Charging Logic 2 x programmable DI / DO Optional Device for monitoring & remote control with WeCo App for Android / iOS Pre - Charge + MOSFET Protection Three Protection Levels, Real-Time Balancing, Adaptive Charge/



*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, read warranty and manual before making any purchasing decisions.
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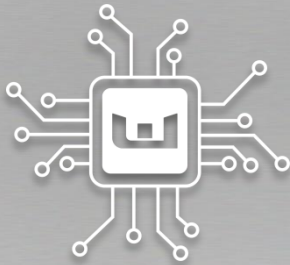


FEATURES



ANTI-SEISMIC 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

14K3 communication support up to 15 modules parallel connection
With HUB can support up to 105 modules in parallel

- ✓ Expansion Plug and Play with Master controller
- ✓ Up to 15 modules per cluster
- ✓ Expand the capacity at a later stage
- ✓ Plug & Play Configuration

EASY EXPANDABILITY AT ANY TIME



