

**5K0-LT**

Versatile.
Efficient.
Compact.

5K0 - LT

LOW VOLTAGE

Lithium Energy Storage System



155 mm
(6.1 in)



580mm
(22.8 in)

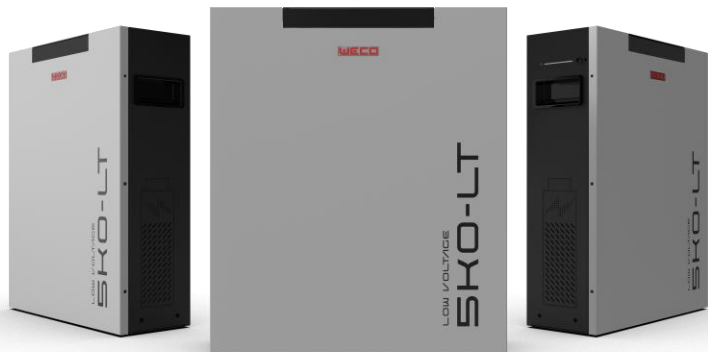
492mm
(19.37in)

5K0-LT

SINGLE MODULE

Specifications

BATTERY	Battery System Maximum Capacity	5.12kWh
	Battery System Capacity	100Ah
	Single Module Nominal Voltage	51.2 Vdc
	Depth of Discharge	Up to 98%
SYSTEM	Modules Expandability	15 direct parallel (105 with LV HUB accessory)
	Ingress Protection	IP20 (Indoor application Only)
	System Max Capacity	537 kWh (with LV HUB accessory)
	Voltage Range	46.5 ~ 56.8 Vdc
	Usable Capacity	100(Gross Capacity 103Ah)
COMMUNICATION	Communication Interface	RS485, CAN, RS232, Wi-Fi & Bluetooth (with External Device)
BASIC PARAMETERS	Dimensions (W x D x H) (mm)	492 × 580 × 155
	Weight	46 kg
	Max. Charge / Discharge Current	Up to 1C max.
	Standard Charge / Discharge Current	0.5C
	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	> 6000 (25°C)
	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. No part of this document can be copied or reproduced without WeCo written permission. All data is subject to change without prior notice.

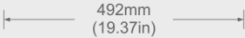
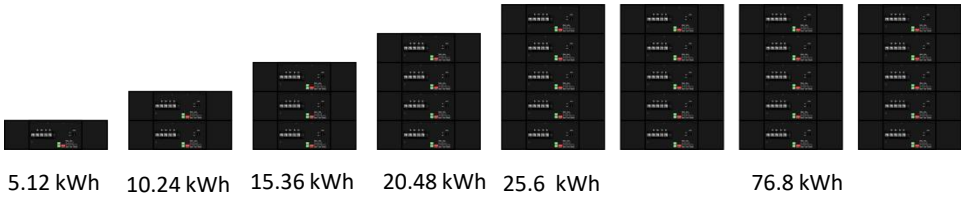
5K0-LT

Wall Mounted

Specifications

BATTERY	Battery Module	2	3	4	5	5+5+5
	Depth of Discharge (Max)	98%				
SYSTEM	Battery System Capacity (kWh)	10.2	15.3	20.4	25.5	76.5
	Voltage Range (Vdc)	46.5 ~ 56.8				
COMMUNICATION	Communication	Rs485, CAN, RS232, Wi-Fi (with External Device)				
BASIC PARAMETERS	Storage Temperature	Up to 6 six months without recharging (see manual)				
	Dimensions (D × W × H) (mm)	580 × 492 × 310	580 × 492 × 465	580 × 492 × 620	580 × 492 × 775	3 × (580 × 492 × 775)
	Weight (Kg)	92 kg	138 kg	184 kg	230 kg	690 kg
	IP Rating	IP20				
	Standard Working Temperature Range	25 °C ± 10°C				
	Humidity	5 % ~ 95 % non-condensing				
	Altitude	< 3000 m				
	Expected Cycle Life @ STC	> 6000 (25 °C) 80% DoD				
	Standards	CB/ IEC62619 / IEC62368-1 / CE / EMC/ UN38.3				
	Monitoring	External Wi-Fi monitoring Dongle suitable for single battery or cluster				

Upper view
Suggested installation with connection terminal facing up



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WECO



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