



Powerful.
Robust.
Efficient.



5K3 - XP

LOW VOLTAGE 3U RACK MODULE

Fan cooled Rack module for Indoor or Cabinet use Only



5K3-XP

SINGLE MODULE LV

Specifications

BATTERY	Module Capacity kWh	5,3
	Single Module Nominal Voltage (Vdc)	51.2
	Application	Low Voltage Application
	Modules Expandibility	LV Mode: Max 15 Modules in Parallel = 1 LV Cluster Max 7 LV Clusters composed by maximum 15 modules in serial connection each +LVHUB
	Voltage Range (Vdc)	47,5-58,4 BMS dynamically adjusts the operating values
	Capacity (Ah)	103
	Usable Capacity (Ah)	100
	Dimension (mm)	615 x 430 x 130 (fit 19" TLC cabinet)
	Weight (kg)	54,3
SYSTEM	Charge / Discharge Current (A)	100 (150 30sec)
	Peak Discharge Current	200 Peak 5 s
	Depth of Discharge	Up to 100%
	Communication Port	RS485, CAN, 232
	Communication Accessories (not included)	WiFi/Bluetooth Dongle -- SD card Data Dongle (Offline Data recorder)
COMMUNICATION	Modules in serial Connection	Up to 15 pcs in parallel
	Discharge Temperature (°C)**	-20 ~ +60
BASIC PARAMETERS	Charge Temperature (°C)**	-10 ~ +55
	Shelf Temperature (°C)**	-10 ~ +45
	Humidity (%)	5 ~ 95
	Altitude (m)	< 3000
	Design life	10 Years (25°C)
	Expected Life Cycles EOL 80%	> 7000 (25°C)
	Standards	IEC62619 UL1973 CE IEC 61000 UN38.3
Features	Auto balancing BMS, 16 channels equalizer, Module local monitoring,	
SAFETY STANDARD	Protections	Fuse: 150A / 60Vdc Contactor 150A/60Vdc, Real-time balancing, Adaptive charge/discharge CAN logic, Three steps adaptive charging logic, 2xDI/DO programmable ports, Mobile APP for monitoring, control, debugging, firmware update, and historical information.
	Notes	Fuse: 150A / 60Vdc Contactor 150A/60Vdc, Real-time balancing, Adaptive charge/discharge CAN logic, Three steps adaptive charging logic, 2xDI/DO programmable ports, Mobile APP for monitoring, control, debugging, firmware update, and historical information.



INDOOR USE ONLY



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.

CONFIGURATIONS



Battery Module	4	5	6	7	8	8+7
Battery System Capacity (kWh)	20.8	26	31.2	36.4	41.6	78.0
Voltage (Min max)	47.5/58.4					
Cabinet Type B (Outdoor + Cooling)	9 Rack Slots					18 Rack Slots
Modules Weight (Kg)	229.2*	286.5	343.8	401.1	458.4	***
Notes	<p>See warranty terms for Performance warranty applicability. See Performance Warranty Terms and the Standard Test Conditions "STC" for operative temperature and standard current.</p> <p>All data is subject to change without prior notice; always ask WeCo for the most recent datasheet and manual before purchasing. No part of this document can be copied or reproduced without written permission of WeCo.</p>					

Tower LV Modules	Voltage Range	Max Current	Capacity
4	47.5/58.4	400	20,8
5		500	26
6		600	31,2
7		700	36,4
8		800	41,6
9		800	46,8
10		900	52
11		950	57,2
12		950	62,4
13		950	67,6
14		1000	72,8
15		1050	78

CABINET

A/C COOLED CABINET
SINGLE & DOUBLE DOOR



CERTIFICATES



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