



RACK LOW VOLTAGE 5K3-XP



RACK 4U HIGH VOLTAGE



SINGLE MODULE LV



Basic Parameters	5K3 RACK LV MODULE FOR INDOOR OR CABINET USE ONLY
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 + LV HUB
Voltage Range (Vdc)	47,5-58,4 BMS dynamically adjusts the operating values
Capacity (Ah)	105
Usable Capacity (Ah)	100
Dimension (mm)	550 x 430 x 155
Weight (kg)	57,3
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, Wi-Fi
Modules in serial Connection	Up to 15 pcs in parallel
Discharge Temperature (°C)**	-20 ~ +60
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,
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	*- Module net usable energy is managed by the BMS control logic to 100Ah **-See Warranty Terms and the Standard Test Conditions "STC" and the operative temperature All data subject to the change without prior notice, no part of this document can be copied or reproduced without the written permission of WeCo 5K3 -XP Is designed to operate with rack support and indoor or in IP56 Cabinets

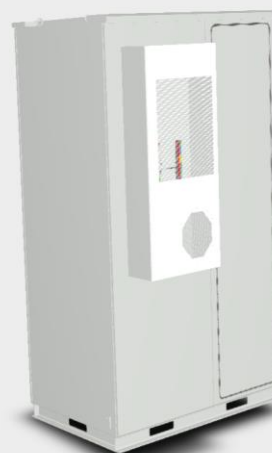
CONFIGURATIONS



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					18 RACK
Cabinet Weight Type B (Empty)	210kg					290kg
Modules Weight (Kg)	229,2 *	286,5	343,8	401,1	458,4	2x458,4



**A/C COOLED
STAND ALONE CABINET
IP 56 / 4U SLOTS**



Tower HV 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



CERTIFICATIONS

