



WECO DUAL VOLTAGE 5K3-XP



DUAL VOLTAGE BATTERY



SINGLE MODULE LV/HV



Basic Parameters	5K3 XP FOR INDOOR USE ONLY
Module Capacity (kWh)*	5,3
Single Module Nominal Voltage (Vdc)	51.2
Application	Dual Voltage LV/HV
Modules Expandibility	HV Mode: Max 16 Modules in Series with Single HV Box = One HV Cluster Max 10 HV Clusters composed by maximum 16 modules in serial connection each LV Mode: Max 15 Modules in Parallel without accessories = One LV Cluster Max 7 LV Clusters composed by maximum 15 modules (in parallel connection) with LV HUB
Voltage Range (Vdc)	45,5-58,4 Dynamically adjusted by the BMS
Cell Gross Capacity (Ah)	105
Usable Capacity (Ah)	100
Dimension (mm)	580 x 463 x 155
Weight (kg)	57,3
Charge / Discharge Current (A)	100*
Peak Discharge Current	200 Peak 5 s
Depth of Discharge (Up to)	100% (subject to BMS management in accordance to the specific inverter protocol selected)
Communication Port	RS485, CAN, 232, Wi-Fi
BMS Discharge Temperature (°C)**	-20 ~ +60
BMS Charge Temperature (°C)**	-10 ~ +55
Shelf Temperature (°C)**	-10 ~ +45
Humidity (%)	5 ~ 95 non condensation
Altitude (m)	< 3000
Max Design life	10 Years (25°C) with Periodic controls
Expected Life Cycles @ STC	> 7000 (25°C)**
Standards	IEC62619 UL1973 CE IEC 61000 UN38.3
Features	Pre-Charge+Fuse LV+ Fuse HV+ Auto Contactor + Dual BMS+ Multi BMS FW management
	Applicable for Low Voltage and High Voltage systems, Four protection levels for HV Box, Real time balancing, Adaptive charge/discharge CAN logic, Three step 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 **-See Performance Warranty Terms and the Standard Test Conditions "STC" for operative temperature and standard charge/discharge current See the e last page of this datasheet for more information and visit www.wecobatteries.com WeCo 5K3XP, Datasheet referred to the modules in production from May 2022

LOW VOLTAGE STACKABLE



LV cluster



LOW VOLTAGE CONFIGURATION						
Battery Module	2	3	4	5	4+4	Up to 15
Battery System Capacity (kWh)*	10,4	15,6	20,8	26	41,6	Up to 79,5
Voltage Range (Vdc)	47,5 - 58,4					
Dimensions (mm)	580x463x330	580x463x495	580x463x660	580x463x825	(2x) 580x463x660	
Weight (Kg)	114,6	171,9	229,2	286,5	2x 229,2	
Depth of Discharge	Up to 100%					
Charge/Discharge (Recommended)	160	240	320	400	640	
Current (A) (Continuous)	210	300	390	480	780	
Current (A) (Peak 30s)	300	380	470	560	940	
Current (A) (Discharge Peak 5s)	400	600	800	1000	1600	
Communication	RS485, CAN, 232, Wifi					
Standards	IEC62619 UL1973 / CE / IEC 61000 UN38.3					
See last page note: *- Module net usable energy is managed by the BMS control logic **-See Warranty Terms and the Standard Test Conditions "STC" and the operative temperature						

LOW VOLTAGE WALL MOUNTED



Batteries are not EV chargers

HIGH VOLTAGE STACKABLE



HV cluster



HIGH VOLTAGE CONFIGURATION						
Battery Module	4	5	6	7	8	8+8
Battery System Capacity (kWh)	20,8	26	31,2	36,4	41,6	83,2
Recommended Voltage (V)	min 200 max 232	min 250 max 290	min 300 max 348	min 350 max 406	min 400 max 464	min 800 max 928
Dimensions (mm)	580x463x660	580x463x825	580x463x990	580x463x1155	580x463x1320	(2x) 580x463x1320
Weight (Kg)	229,2	286,5	343,8	401,1	458,4	2x 458,4
Standards	IEC62619/UL1973 / CE / UN38.3					

Notes applicable any configuration system composed by 5K3XP module

*- Module net usable energy is managed by the BMS control logic to 100Ah
 **-See Performance Warranty Terms and the Standard Test Conditions "STC" for operative temperature and standard current
 The temperature mentioned above is not intended to be admitted by the warranty terms, regardless
 See manuals for charging and discharging ramps applied by the BMS in reference to temperature and SOC and SOH
 See warranty terms applied to temperatures; battery STC conditions are defined at 25°C; the fact that the battery may operate at higher or lower temperatures does not imply recognition of such use as covered by a performance warranty
 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
 5K3 -XP Is designed to operate indoor or in Outdoor Cabinet approved by WeCo and can only be used with approved inverters



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