WeCo Dual Voltage 5K3-XP

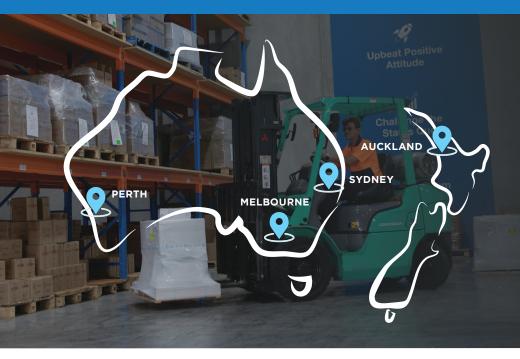Specification

WeCo Lithium Energy Storage System

WeCo Dual Voltage 5K3-XP

The WeCo Dual Voltage 5K3-XP modules are suitable for a range of applications from residential to industrial, both on and off-grid applications and can be installed in high voltage or low voltage configurations. The WeCo modules are compatible with a range of inverters and can be bundled with the Valen range of quality products to create full plug-and-play systems.

Features

- WeCo design and produce lithium batteries equipped with the highest quality components. Each application has its own Lithium Chemistry cell in order to guarantee the highest durability and Safety.

- Digital Smart BMS: WeCo has developed one of the most advanced BMS with an active and passive equalizer with real-time control on every single cell.

- The monitoring system can detect, control and monitor every battery pack connected. In addition, you can monitor your system via a user-friendly mobile app.

- Italian Quality & Design - Design and quality in every detail, firstclass assistance worldwide from our skilled technicians

National Coverage

With warehouses located strategically, Valen offers fast and efficient delivery as well as superior service our clients have come to know and depend on.

PERTH

MELBOURNE

SYDNEY

AUCKLAND

WeCo Lithium Energy Storage System

☰ Specifications

Parameters	5K3 LV/HV
Battery System Cap.	5.3 kWh
Single Module Nom. Voltage	52 Vdc
Application	Dual Voltage LV/HV
Modules Expandability	HV Mode: Max 16 Modules in Series with Single HV Box = One HV Cluster LV Mode: Max 8 Modules in Parallel without WeHub = One LV Cluster
Cluster Net Cap.	Max 144 Modules per HV System / Max 100 Modules per LV System
Voltage Range	48.5-100 Vdc
Net Capacity	105 Ah
Usable Capacity	100 Ah
Dimension	580 x 463 x 165 mm
Weight	57.3 Kg
Charge / Discharge Current	110 A
Step 01	160 (60 s)
Peak	200 (Peak 5 s)
Depth of Discharge	100%
Communication Port	RS485, CAN, 232, Wi-Fi
Single string qty	16 pcs
Discharge Temp.*	-20 ~ 55°C
Charge Temp. *	-10 ~ 55°C
Shelf Temp.	-10 ~ 50°C
Humidity	5% ~ 95%
Altitude	< 3000 m
Design life	15 Years (25°c)
Expected Life Cycles @ STC	>7000 (25°c)
Standards	IEC62619/UL1973 CE/UN38.3

WeCo Lithium Energy Storage System

Low Voltage Stackable

Battery Module	2	3	4	5	4+4
Battery System Capacity	10.4 kWh	15.6 kWh	20.8 kWh	26 kWh	41.6 kWh
Voltage Range	48.5 - 58.4 Vdc				
Dimensions (mm)	580x463x330	580x463x495	580x463x660	580x463x825	(2x) 580x463x660
Weight	114.6 kg	171.9 kg	229.2 kg	286.5 kg	2x 229.2 kg
Depth of Discharge	100%				
Charge/Discharge (Recommended)	160	240	320	400	640
Current (A) (Continuous) (Peak 15s) (Discharge Peak 5s)	210 300 400	300 380 600	390 470 800	480 560 1000	780 940 1600
Communication	RS485, CAN, 232, Wi-Fi				
Protection Class	IP23 / IP56				
Working Temperature	-20°C +60°C *				
Storage Temperature	-10°C +40°C				
Humidity	5% ~ 95%				
Altitude	< 3000 m				
Design life	15 Years (25°C)				
Expected Life Cycles @ STC	>7000 (25°C)				
Standards	IEC62619/UL1973 / CE / UN38.3				

Wall mounted

WeCo Lithium Energy Storage System

High Voltage Stackable

HV BOX +

Battery Module	4	5	6	7	8
Battery System Capacity	20.8 kWh	26 kWh	31.2 kWh	36.4 kWh	41.6 kWh
Recommended Voltage	min 200V max 232V	min 250V max 290V	min 300V max 348V	min 350V max 406V	min 400V max 464V
Dimensions (mm)	580x463x660	580x463x825	580x463x990	580x463x1155	580x463x1320
Weight	229.2 kg	286.5 kg	343.8 kg	401.1 kg	458.4 kg
Depth of Discharge	100%				
Charge/Discharge	100A/100A				
Communication	RS485, CAN, 232, Wi-Fi				
Protection Class	IP23 / IP56				
Working Temperature	-20°C +60°C *				
Storage Temperature	-10°C +40°C				
Humidity	5% ~ 95%				
Altitude	< 3000 m				
Design life	15 Years (25°C)				
Expected Life Cycles @ STC	>7000 (25°C)				
Standards	IEC62619/UL1973 / CE / UN38.3				

Facilitating maintenance through convenient access to fuses.

Legal Entity Valen Power Pty Ltd
ACN 134 028 961
Telephone 1300 734 253

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ISO 45001 : 2018

OBSEQUENTIA
QUALITY CERTIFIED
ISO 9001 :2015

OBSEQUENTIA
ENVIRONMENT CERTIFIED
ISO 14001:2015