

WeCo Monitoring Quick Guide 1.3

Tools needed for Low Voltage Firmware Upgrade





- PC windows Windows 10
- WeCo Monitor Software 1.30-5
- Net frame 3.5 or superior
- USB 232 Converter with screw terminal WeCo 232-Usb Converter
- Latest driver and firmware available for the USB-RS22
- Cable RJ 45 232 (included in the battery kit)
- Latest firmware for WeCo 4K4 Available (enquiries: service@weco.uk.com)
- Latest firmware (A/B) for WeCo 5K3 LV Available (enquiries: service@weco.uk.com)
- For 5K3 it's important to select the appropriate FW according with the Protocol list of this manual







The battery has 2 RS 232 Ports, one on the side one in the connection HUB Never use the two ports at the same time







The battery has 1 Operator Port on the upper part of the module, next to the RUN button



5K3 Model 2020 Operator Port is located on the side





The Upgrade method is the same for both model 4K4 and 5K3 4K4 picture is used for reference only







RS 232/USB serial converter

- 1. Standard USB/rs232 Converter (WeCo 232 USB Adapter)
- 2. Screw Terminal DB9 TX RX GND to be connected with the USB-RS232 Converter
- 3. Connect the RJ 45 rs 232 Cable provided with the battery
- 4. Plug the USB terminal of the converter into the PC port
- 5. From Windows Menu, search for DEVICE MANAGER
- 6. From DEVICE MANAGER search for the COM/LPT
- 7. Identify the COM number of the converter by removing and insert the USB plug
- 8. Select it and search any new driver for the converter by following the instructions in the specific section of the Windows Menu
- 9. Open the ZIP file WeCo Monitor.
- 10. Drag/drop the folder- WeCo_Monitor into the desktop.

11. Open the folder and select> WeCo_Monitor.exe (open it)





SERIAL CONVERTER RS 232/USB PIN OUT



			Positi	on Numb	er 1234	5678		
RJ45,A side	e:	Ĩ		8-	wire HJ	45		
RJ45,A side No	e:	2	3	4	5	6	7	8
RJ45,A side No colour	e: 1 Orange white	2 Orange	3 Green white	4 Green	5 /	45 6 /	7	8



Select the WeCo monitor File

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File Home	Share View												∧ ?
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Software Access -USER FREE-





COM selection and Program Start-up

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7		(3)	
Status Of Charge:%	Status:	Instant Power:kW	
Charging Time:	Battery Voltage:	Modules Connected:	
Discharging Time: Standby Time:	Current: Cell Delta Voltage:	Modules Delta SOC: Modules Delta Temp:	SELECT THE COM AND PRESS
Charge Energy : Discharge Energy: Energy Cycles:	Inverter protocol: BMS Version: Firmware Version:	COM Port: Connect : CONNECT Status:	RED BAR BECOME GREEN IF TH CONNECTION IS STABLE
Search New Firmware	Load Firmware		



FIRMWARE SUFFIX FOR THE TWO LV MODELS Equalizer FW /BMS

FW nomeclature

4K4 V 3.xx

5K3 V 6.xx



Search the latest firmware





Upload the firmware Press load firmware to upgrade









LV Battery Parallel Overview





AUTHORIZED OPERATORS SECTION







MASTER OPERATOR LEVEL 4 ONLY

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Auto Exit Sleep Interval Time :		Rot		н			
Auto Exit Sleep Duration :		361					
Contactor Keep Close Time Ever Cell Voltage Low when battery start:		Set		s			
Charge Current Limit when TEMP Very Low:		Set		Α			
Max Charge Current Send To Inverter		Set		А			
Max Discharge Current Send To Inverter		Set		А			
Temperature Sensor 2: Check To Set	Set	°C					
Temperature Sensor 3:	-	°C					
Attention:Must Check the box and set will effectiv If not Check the box and set will into normal	e						

ET WECO-FES-Tools V1.24 – 🗆 🗙 Overview Battery Monitor ParallelOverview Balance Setting DO_Setting Operator Setting1 Operator Setting2 Production setting Production Test Parameter Configuration Table Production Set Import Export Set FileName: 0A Calibration: 0A ✓ Set Battery Management System Parameter List Current Calibration: 5A ~ Set Battery Balance: Set Enable GainValue: Set RunTime Clear: Set BatteryCycle Clear: Set Energy and Time count Clear: Set Product Serial Number Set Restore BMS Default Parameters: Set 🗌 DataSave 1 🗸 🗸 Time .. COM: DisConnect Receive Count: Send Count: Err Count: 0

Overview Battery Monitor ParallelOverview Balance Setting DO_Setting Operator Setting1 Operator Setting2 Production setting Production Test Setting Setting Value Current Value Setting Value label588 Current Value Battery Voltage High Cutoff. Charge TEMP High Cutoff: ----Charge TEMP High Recovery: Battery Voltage High Cutoff Time: ----Set ----°C Se Battery Voltage High Recovery: Charge TEMP High Cutoff Time: ----Battery Voltage High Recovery Time: Charge TEMP Low Cutoff: --------Charge TEMP Low Recovery: Battery Voltage Low Cutoff: Set ----°C Set Battery Voltage Low Cutoff Time: Charge TEMP Low Cutoff Time: ----5 Cell Voltage High Cutoff: Discharge Current High Limit Level1: ----A Cell Voltage High Cutoff Time: Discharge Current High Time Level1: ----Se Cell Voltage High Recovery: ----Discharge Current High Recovery Time Level1: ----Cell Voltage High Recovery Time: Discharge Current High Limit Level2: Cell Voltage Low Cutoff: Discharge Current High Time Level2: Se Cell Voltage Low Cutoff Time: Discharge Current High Recovery Time Level2: S Discharge TEMP High Cutoff: Charge Current High Limit: A Discharge TEMP High Recovery: Set Charge Current High Time: ----Set Discharge TEMP High Cutoff Time: Charge Current High Recovery Time Discharge TEMP Low Cutoff: Discharge TEMP Low Recovery: Set Discharge TEMP Low Cutoff Time: S COM: DisConnect Receive Count: Send Count: Err Count: 0 Time ...:

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