DATOU BOSS

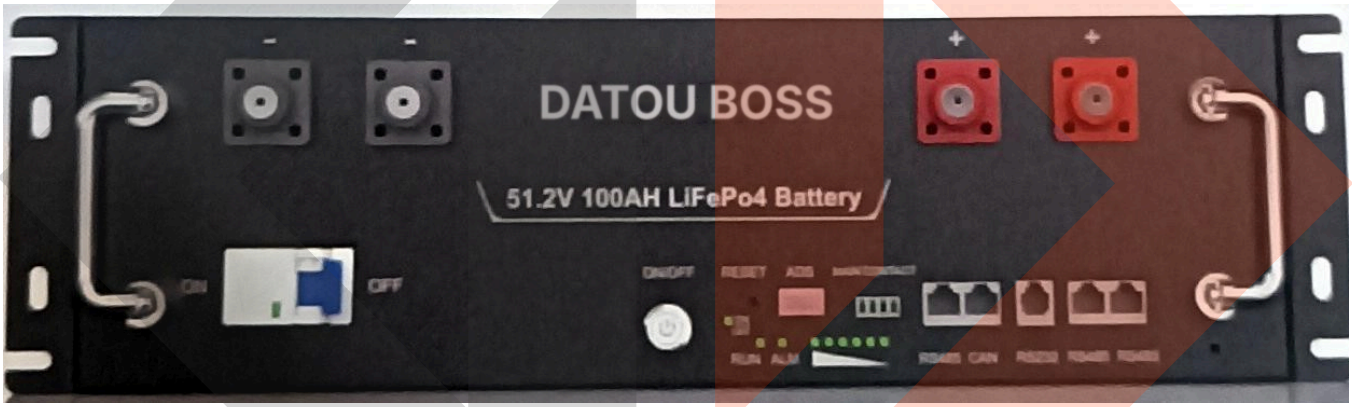
Version 1.1.1

LiFePO4

LiFePO4 battery 51.2V 100Ah, 3U

MANUAL

Operation and maintenance



(MF-3U-48100)

DATOU BOSS (also MFUZOP)

Manufacturer’s original manual, English translation. Structure, tables and illustrations are kept as in the original.

SUPPORT. If you have technical questions not answered in this manual, contact the seller.

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Description

This manual describes in detail the requirements and procedure for safe installation and operation of the DATOU BOSS lithium battery. Read it carefully. Only qualified persons may install, operate and service the system; otherwise the product may be damaged or health put at risk.

Any action that violates the safe operating rules, this manual or the warranty letter voids the warranty. In that case the manufacturer is not liable for damage to the product or property, injury or death.

The information in this manual is accurate at the time of publication. The manufacturer reserves the right to change specifications (optimisation, updates, etc.) without notice; see the current version via the QR code on the label.

Diagrams and illustrations in this document help to understand the system configuration and installation procedure and may differ from the actual products.

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I. Information

1.1 Scope

This document applies to the model: **MF-3U-48V 100A-A**

1.2 Intended audience

This document is intended for qualified persons and operators. Only qualified persons may carry out actions marked with a warning sign and the words “Qualified person”. A qualified person must have the following skills:

- Knowledge of how lithium iron phosphate (LiFePO4) batteries work and are operated.
- Knowledge of how energy storage systems work and are operated (PV, battery, hybrid inverter, MPPT, meter, distribution board, etc.).
- Knowledge of local connection requirements, standards and codes.
- Training in installing and commissioning electrical installations and batteries.
- Training in dealing with hazards and risks when installing, repairing and using electrical installations and batteries.

1.3 Warning levels

The following warning levels may be encountered when working with the product.

DANGER
A hazardous situation which, if not avoided, **will result** in death or serious injury.

WARNING
A hazardous situation which, if not avoided, **could result** in death or serious injury.

CAUTION
A hazardous situation which, if not avoided, could result in minor or moderate injury or irreversible damage to the product.

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NOTICE
A situation which, if not avoided, may cause property damage, malfunction or accelerated wear of the product.

1.4 Symbol description

Symbol	Value
	Risk of electric shock. Failure to comply may result in death.
	Potentially hazardous situation that may result in injury or death.
	Important information or warning about what is described in the text.
	Further information is in other documents on this topic.
	Important steps or tips for optimal operation.
	Keep the battery out of reach of children and animals.
	Do not place the battery near heat sources or flammable materials.
	Protect the battery from direct sun, rain and snow.
	Do not short-circuit the battery.
	Recycling mark.
	WEEE mark (electronic waste).

Symbol	Value
▲ Qualified person	Actions only a qualified person may perform
	Grounding point

1.5 Abbreviations

Abbreviation	Value
Battery / battery pack / module	One MF-3U-48V 100A-A LiFePO4 battery pack, including cells, BMS, enclosure, etc.
Battery system / cluster	Several MF-3U-48V 100A-A packs connected in parallel with power and comms cables and grounding, plus mounting accessories.
BMS	Battery management system: an electronic unit that keeps the lithium cells safe, shows information and controls battery operation.
SOC	State of charge: remaining capacity as a percentage of rated capacity.
SOH	State of health: capacity of the fully charged battery as a percentage of rated capacity.
DIP switch	Sets the battery address in a battery group.

II. Safety

2.1 Safety precautions

DANGER

- Do not strike the battery with heavy objects.
- Do not crush or puncture the battery.
- Do not throw the battery into fire.
- Do not connect batteries in series.

WARNING · Fire hazard

- Do not let the battery heat above 80 °C.
- Do not place the battery near heat sources such as a fireplace.
- Protect the battery from direct sun and rain.

WARNING · Electric shock hazard

- Do not let unqualified persons disassemble the battery.
- Do not touch the battery with wet hands.
- Protect the battery from moisture and liquids.

NOTICE · Risk of damage

- Do not short-circuit or reverse the polarity.
- Do not charge the battery with chargers not approved by the manufacturer.
- Do not mix batteries of different makers, types or brands.
- For safety reasons, using the battery near the sea is not recommended.

2.2 Safety instructions

The battery is designed and tested to international safety requirements (UL, IEC, UN38.3, etc.). However, due to various factors over its whole service life, the manufacturer cannot guarantee absolute safety. To prevent harm to people and property and to ensure long battery life, read carefully and follow the operating rules and emergency actions below.

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2.2.1 Protective equipment

Always use the following protective equipment when installing and handling the battery.



Insulating gloves · Safety goggles · Safety shoes

2.2.2 Emergency actions

Water ingress. First switch off the system's AC power, then, once it is safe, switch off all breakers.

Electrolyte or gas leak. If electrolyte leaks from the battery, avoid contact with the liquid or gas. In case of contact, act at once as follows:

- **Gas inhalation:** move people out of the contaminated area and seek medical help at once.
- **Eye contact:** rinse the eyes with clean running water for 15 minutes, then seek medical help at once.
- **Skin contact:** wash the area thoroughly with soap and water so no chemical or soap remains, and seek medical help at once.
- **Ingestion:** induce vomiting and seek medical help at once.

WARNING
In case of fire, use a carbon dioxide (CO_2) extinguisher, not water or other liquids.

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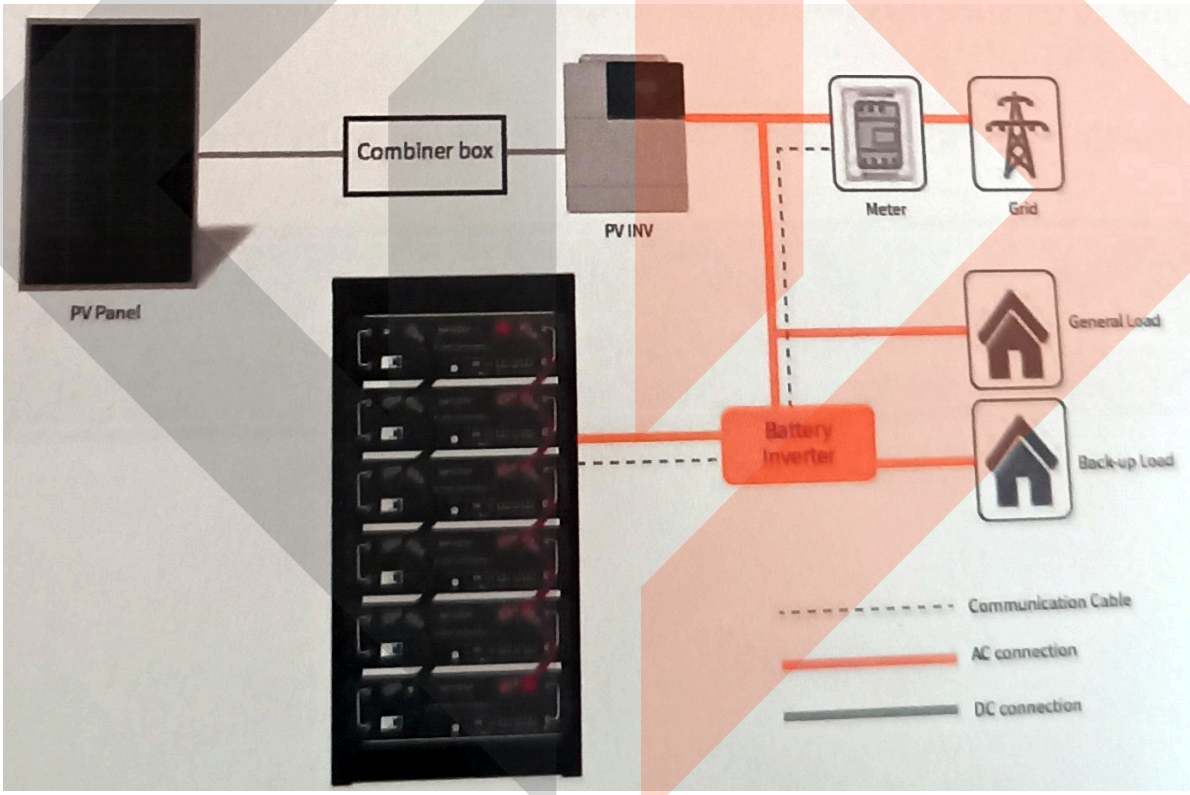
2.2.3 Other advice

- All products are carefully checked before shipment. If you notice a defect such as swelling, contact the seller for a replacement.
- Do not disassemble batteries or their components: the manufacturer is not liable for damage from unauthorised disassembly or repair.
- Ground the battery securely before use so the system runs safely and normally.
- Before connecting the battery to other devices, make sure their electrical parameters are compatible.
- Consider the environment carefully: it and the storage method affect product life and reliability.

III. Product overview

3.1 Introduction

The DATOU BOSS battery is designed for residential use and works as storage in a PV system. It is a 48 V lithium-ion storage system with a built-in BMS. With compatible inverters it works in on-grid, backup and off-grid modes. Below is the general diagram of an AC-coupled system.



PV Panel: solar panels · Combiner box: combiner box · PV INV: grid-tie inverter · Meter: meter · Grid: grid · General Load: normal load · Back-up Load: backed-up load · Battery Inverter: battery inverter. Dashed: comms cable; orange line: AC; grey line: DC.

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CAUTION
The electrical connections in the diagram are for illustration only. Follow the manuals of the relevant devices and local requirements, standards and codes for wiring.

3.2 Features

- Maximum safety: LiFePO4 chemistry, compliance with the highest international safety and transport standards.
- Modular and flexible: up to 15 batteries can be connected together to increase system energy.
- A built-in pre-charge circuit prevents inrush current when connecting to various inverters and chargers.
- Automatic dynamic addressing when connecting several batteries.
- Depth of discharge up to 96% in off-grid and backup modes.
- Built-in BMS warns and protects against over-discharge, overcharge, overcurrent, short circuit, high and low temperature.
- Automatic cell balancing for long life. New batteries reach full capacity after several charge-discharge cycles (about 10).
- Compact size and low weight for easy installation and maintenance.
- CAN/RS485 ports for external comms.

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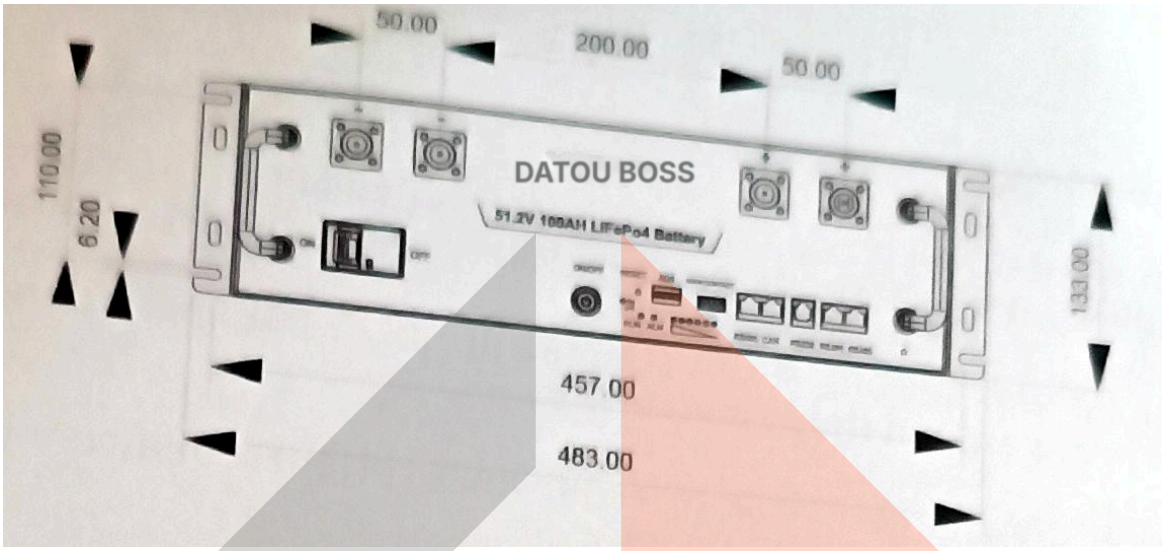
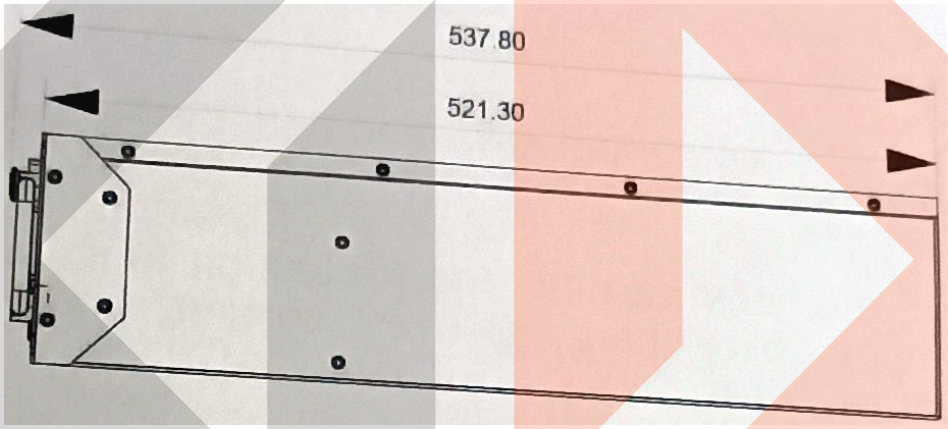
3.3 Specifications

3.3.1 Dimensions



Front view, mm



Side view, mm

3.3.2 Parameters

Parameter	MF-3U-48100
Rated voltage	51.2 V
Operating voltage range	40.5–54.75 V
Charge voltage	58.4 V
Cut-off voltage	40.0 V
Rated energy	5.12 kWh
Usable energy	5.12 kWh
Rated capacity	100 Ah

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Parameter	Value	
Dimensions	56.1 × 48.3 × 13.3 cm (22.09 × 19.02 × 5.24 in)	
Weight	43 kg (94.8 lb)	
Standard charge current	≤50 A	
Max. charge current	100 A	
Max. discharge current	100 A (initial temperature ≤35 °C)	
Comm. ports	RS485 / CAN / RS232	
Max. in parallel	15 pcs	
Operating temperature	Charge: 0...55 °C	Discharge: −20...55 °C
Storage temperature	−20...25 °C	under 1 year
Storage temperature	20...40 °C	under 3 months
Storage conditions	as shipped	humidity 60±25 %

BMS parameters

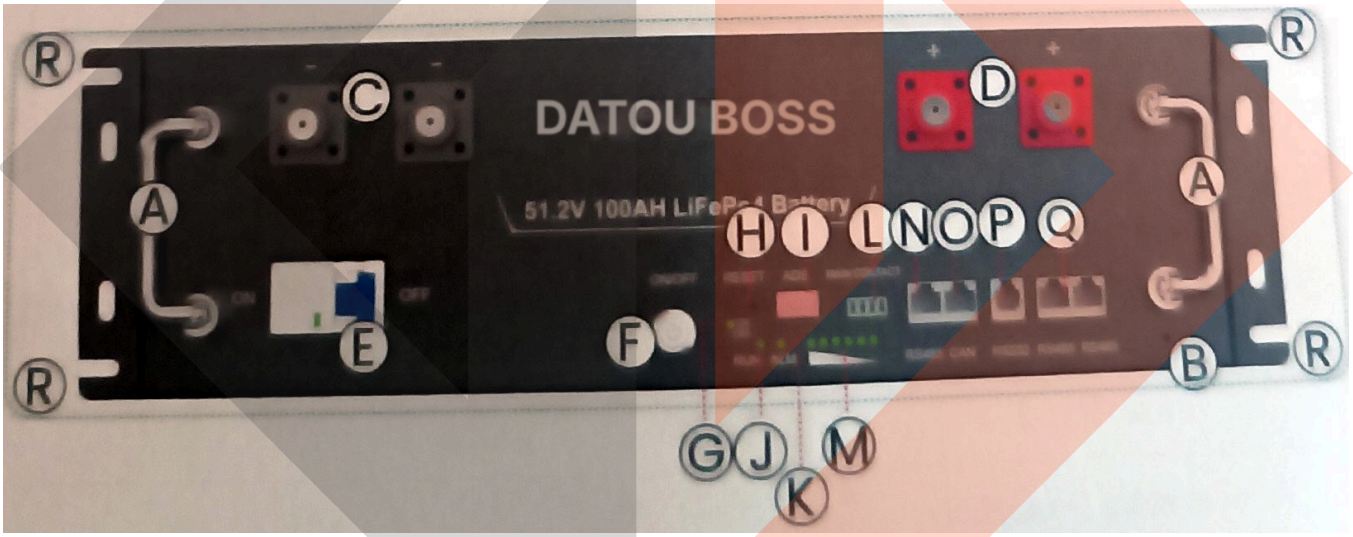
Charge	Threshold	Delay	Recovery
Cell voltage protection	3600 mV	3000 ms	3400 mV
Module voltage protection	58.4 V	3000 ms	54.4 V
Charge overcurrent 1	105 A	2000 ms	
Charge overcurrent 2	120 A	2000 ms	
Temperature protection	<0 °C or >65 °C		

Discharge	Threshold	Delay	Recovery
Cell voltage protection	2500 mV	3000 ms	3000 mV
Module voltage protection	40.0 V	3000 ms	48.0 V
Discharge overcurrent 1	105 A	2000 ms	
Discharge overcurrent 2	120 A	2000 ms	
Short circuit	1200 A	400 µs	
Temperature protection	<−20 °C or >65 °C		

BMS	Parameter		Condition
Board temperature protection	>105 °C		
Cell balancing	60 mV, when charging		
Temperature accuracy	±3 °C		
Cell voltage accuracy	±10 mV		for cells
Current accuracy	±2 %		
SOC accuracy	5 %		
Consumption	Off	≤20 µA	storage / transport
Consumption	Sleep	≤200 µA	sleep
Consumption	Run	≤60 mA	charge / discharge
Comm. ports	RS485, CAN, RS232		
Bluetooth and Wi-Fi range	≥15 m		

⚠ Optimal operating temperature is 15 to 30 °C. Frequent operation in harsh temperatures degrades battery performance and shortens its life.

3.3.3 Front panel



See the table on the next page for the letter codes

№	Device	Purpose	Note
A	Handles	Carrying, installing and removing the battery	
B	Grounding	Connecting the battery to ground	
C	Negative terminal	Connecting the inverter / charger	
D	Positive terminal	Connecting the inverter / charger	
E	125 A breaker	Overcurrent protection	
F	Power button	Battery on / off	
G	ON/OFF indicator	Shows whether the battery is on or off	
H	Reset	BMS restart	
I	ADS	Sets the battery address in the group	
J	RUN	Lit or flashing when the battery is running	
K	ALM	Shows an alarm / protection trip	
L	Dry contact	2 output signals, 1 input	Pin 1 on the left
M	SOC	Current state of charge	
N	RS485-1	Connection to computer / inverter	
O	CAN	Connection to inverter	
P	RS232	Connection to computer / inverter	
Q	RS485 IN / RS485 OUT	Battery-to-battery comms	
R	Mounting ears	Rack mounting	

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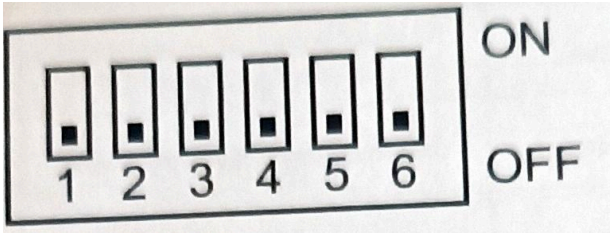
3.3.3.1 ADS (address DIP switches)



When batteries run in parallel and all DIP switches are OFF, standard automatic addressing applies. Otherwise manual addressing is enabled: the DIP switch on the BMS sets the address to distinguish the packs.

Address (binary)	6	5	4	3	2	1	Explanation
0001 (1)	NC	NC	OFF	OFF	OFF	**ON**	PACK1 (master, the inverter connects to it)
0010 (2)	NC	NC	OFF	OFF	**ON**	OFF	PACK2
0011 (3)	NC	NC	OFF	OFF	**ON**	**ON**	PACK3
0100 (4)	NC	NC	OFF	**ON**	OFF	OFF	PACK4
0101 (5)	NC	NC	OFF	**ON**	OFF	**ON**	PACK5
0110 (6)	NC	NC	OFF	**ON**	**ON**	OFF	PACK6
0111 (7)	NC	NC	OFF	**ON**	**ON**	**ON**	PACK7
1000 (8)	NC	NC	**ON**	OFF	OFF	OFF	PACK8
1001 (9)	NC	NC	**ON**	OFF	OFF	**ON**	PACK9
1010 (10)	NC	NC	**ON**	OFF	**ON**	OFF	PACK10
1011 (11)	NC	NC	**ON**	OFF	**ON**	**ON**	PACK11
1100 (12)	NC	NC	**ON**	**ON**	OFF	OFF	PACK12
1101 (13)	NC	NC	**ON**	**ON**	OFF	**ON**	PACK13
1110 (14)	NC	NC	**ON**	**ON**	**ON**	OFF	PACK14
1111 (15)	NC	NC	**ON**	**ON**	**ON**	**ON**	PACK15

NOTICE
Wrong DIP switch positions cause a comms error between battery and inverter. For settings with a specific inverter or charger, contact the seller.

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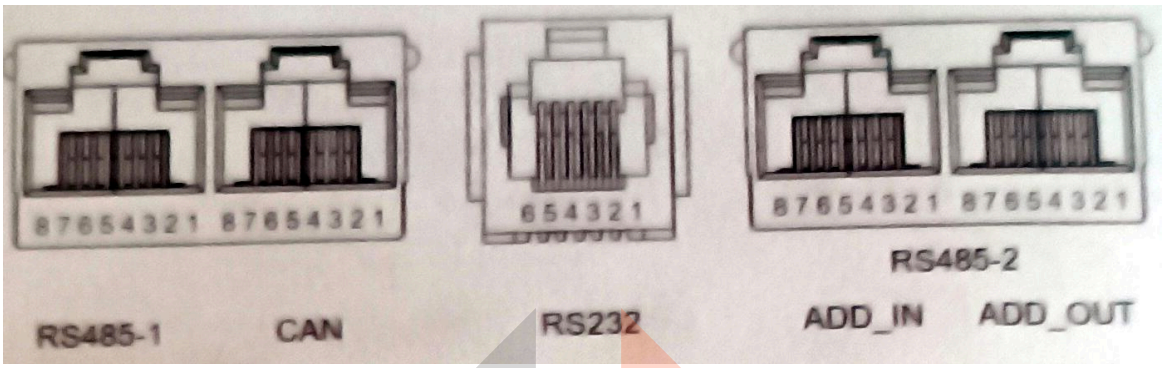
3.3.3.2 Comms port pinout



Port	RS485-1	CAN	RS232	RS485-2 ×2
Purpose	To computer / inverter	To computer / inverter	To computer	Parallel comms ×2
Pins	1, 8: RS485-B1 2, 7: RS485-A1 4: NC 5: NC 3, 6: GND	1, 8: NC 2, 7: NC 4: CANH1 5: CANL1 3, 6: GND	1, 2, 6: NC 3: TX 4: RX 5: GND	1, 8: RS485-B2 2, 7: RS485-A2 4, 5: NC 3: N(L)/OUT(R) 6: GND

Protocols, devices and software each port supports

Port	RS485-1	CAN	RS232
Purpose	To inverter or computer	To inverter	To computer
Support	PYLON-LV RS485 V3.5 (9600) Growatt BMS V1.09 VOLTRONIC-485 V1.0.3 LXP-485 V1.0.0 Deye-485 Modbus V1.30 SRNE WOW PACE BMS Modbus RS485 V1.3	Pylon CAN V1.2 low voltage Growatt BMS CAN low voltage V1.04 Victron CAN V1.00 Luxpowertek Battery CAN V1.0 SMA CAN V1.0.0 Sofar CAN V1.00 PV1800F CAN 1.04.04 SRNE WOW BMS Modbus CAN V1.0 DEYE CAN V1.0 MEGAREVO Hybrid Inverter BMS protocol	JBD-UP Solar Assistant Overkill

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3.3.3.3 Parallel connection diagram

Comms cables daisy-chain the batteries: RS485 OUT of master battery #01 → RS485 IN of the next (#02), its OUT → IN of #03, and so on to #15. The inverter, computer or other device connects only to the RS485-1 / CAN / RS232 ports of master battery #01.

Manual addressing (example)

Battery	DIP 1 2 3 4
PACK01 (master)	**ON** OFF OFF OFF
PACK02	OFF **ON** OFF OFF
PACK03	**ON ON** OFF OFF
PACK04	OFF OFF **ON** OFF
PACK05	**ON** OFF **ON** OFF
PACK06	OFF **ON ON** OFF
PACK07	**ON ON ON** OFF
PACK08	OFF OFF OFF **ON**
PACK09	**ON** OFF OFF **ON**
PACK10	OFF **ON** OFF **ON**
PACK11	**ON ON** OFF **ON**
PACK12	OFF OFF **ON ON**
PACK13	**ON** OFF **ON ON**
PACK14	OFF **ON ON ON**
PACK15	**ON ON ON ON**

Automatic addressing

On all batteries PACK01–15, all DIP switches are **OFF.** Addresses are assigned automatically.

> **NOTICE**
> Automatic addressing: once the connections are done, switch the master battery on **last.**

3.3.3.4 Indicators

Indicator description

System status	Event	MOS (LED9)	Run (LED8)	Alarm (LED7)	SOC (LED6–1)	Note
Off	Sleep	OFF	OFF	OFF	all OFF	All indicators off
Standby	Normal	OFF	Flash1	OFF	see SOC table	
Standby	Alarm	OFF	Flash1	Flash3	see SOC table	
Charge	Normal	OFF	ON	OFF	see SOC table	
Charge	Alarm	OFF	ON	Flash3	see SOC table	Overvoltage alarm does not flash
Charge	Overvoltage protection	ON	ON	OFF	all ON	
Charge	Temperature, current, fault	ON	OFF	ON	all OFF	
Discharge	Normal	OFF	Flash3	OFF	see SOC table	
Discharge	Alarm	OFF	Flash3	Flash3	see SOC table	
Discharge	Low voltage protection	ON	Flash2	OFF	all OFF	
Discharge	Current, short circuit, temperature, fault	ON	OFF	ON	all OFF	

Important:

1. **Alarm.** The ALM indicator warns of problems that may limit the inverter’s charge or discharge current.

2. **Standby warning.** The alarm triggers first, then the unit goes to standby.

State of charge (SOC)

SOC	Charge LED6	5	4	3	2	1	Discharge LED6	5	4	3	2	1
0–16.6 %	OFF	OFF	OFF	OFF	OFF	Flash2	OFF	OFF	OFF	OFF	OFF	ON
16.6–33.2 %	OFF	OFF	OFF	OFF	Flash2	ON	OFF	OFF	OFF	OFF	ON	ON
33.2–49.8 %	OFF	OFF	OFF	Flash2	ON	ON	OFF	OFF	OFF	ON	ON	ON
49.8–66.4 %	OFF	OFF	Flash2	ON	ON	ON	OFF	OFF	ON	ON	ON	ON
66.4–83.0 %	OFF	Flash2	ON	ON	ON	ON	OFF	ON	ON	ON	ON	ON
83.0–100 %	Flash2	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
RUN indicator	ON						Flash3					

Indicator flash patterns

Mode	Steady	Off
Flash1	0.25 s	3.75 s
Flash2	0.5 s	0.5 s
Flash3	0.5 s	1.5 s

3.4 Protections

Protection	Description	Note
End of charge: high cell / pack voltage	The BMS stops charging if any cell or pack voltage reaches the protection threshold. Protection clears automatically when pack and cell voltages return to the recovery range or enough discharge current appears.	
End of discharge: low cell / pack voltage	The BMS stops discharging if any cell or pack voltage is below the protection threshold. Protection clears when all cell voltages return to the recovery range or enough charge current appears.	Recovers automatically. Charge in time, or the battery may enter low-charge mode and be over-discharged.
High temperature	The BMS stops charging, discharging or both if any cell, ambient or MOSFET temperature is outside the allowed limits.	Recovers automatically
Low temperature	The BMS stops charging, discharging or both if cell, ambient or MOS temperature is below the allowed limits.	Recovers automatically
Charge overcurrent	The BMS stops charging if charge current exceeds the protection threshold. Protection clears after a time delay.	Recovers automatically. After three trips in a row it locks; manual intervention needed.
Discharge overcurrent / overload	The BMS stops discharging if discharge current exceeds the protection threshold. Protection clears after a time delay.	Recovers automatically. After three trips in a row it locks; manual intervention needed.
Short circuit / reversed polarity	Short-circuit or reversed-polarity protection has tripped.	Clear by charging; manual reset
Temperature, voltage or current sensor fault	Fault mode needs manual intervention; charging and discharging are blocked.	Manual intervention
Sleep mode	Under certain conditions the battery enters sleep mode.	Recovers

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CAUTION
If the battery is over-discharged, charge it from solar, grid, generator or another source within 24 hours.

NOTICE
Deliberate short circuit or reversed polarity voids the battery warranty.

IV. Installation

4.1 Preparation

4.1.1 Safety requirements

The system must be installed by a qualified person. Throughout installation, strictly follow local safety rules and the relevant procedures.

4.1.2 Environment

The operating site must meet these requirements:

Category	Description
Operating temperature	–20...55 °C (maximum range) 15...30 °C (optimal)
Relative humidity	5–90 %, non-condensing
Altitude	<3000 m
Safety requirements	• Protect the battery from direct sun, rain and snow. • Keep out of reach of children and animals. • Do not place near heat sources and flammable materials. • Do not install in an enclosed space without ventilation. • Do not drop, deform, strike, cut or pierce with sharp objects. • Do not put heavy items on the battery. • Do not disassemble without the manufacturer’s permission. • Avoid contact with conductive dust, water or other liquids. • For water ingress, electrolyte or gas leaks, follow the emergency section. • For any fault, contact the seller within 24 hours.

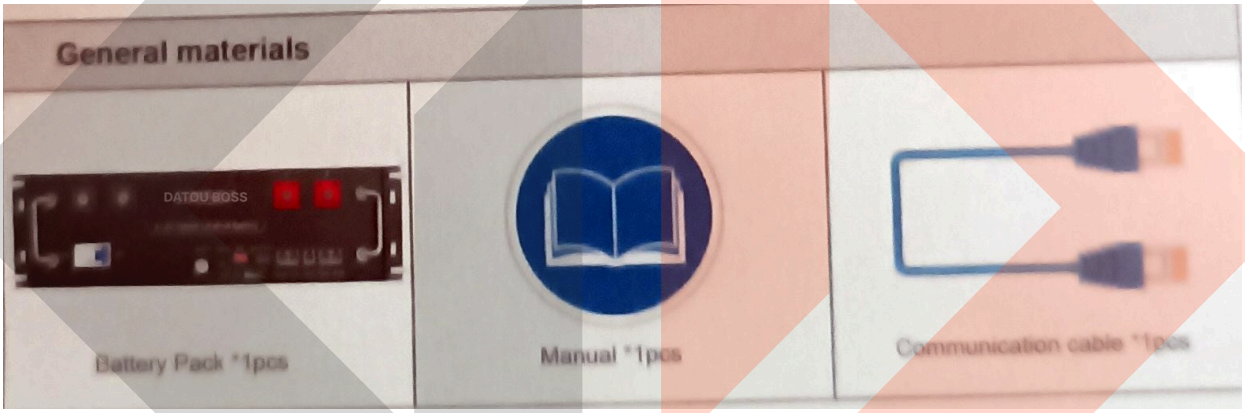
4.1.3 Tools

Tools	
Screwdrivers (flat, Phillips)	Multimeter
Spanner	Clamp meter
Side cutters	Insulating tape
Long-nose pliers	Thermometer (site conditions check)
Crimping tool	Antistatic wrist strap
Wire stripper	Cable ties

4.2 Inspection on receipt

4.2.1 Unpacking

- On receipt, load and unload as required and protect from sun and rain.
- Before unpacking, check the goods (quantity, appearance, etc.) against the packing list.
- When unpacking, lift and set the product down carefully to avoid damaging the finish.
- If the inner packaging is found damaged after unpacking, record it and contact the seller.



Contents: battery × 1 · manual × 1 · comms cable × 1

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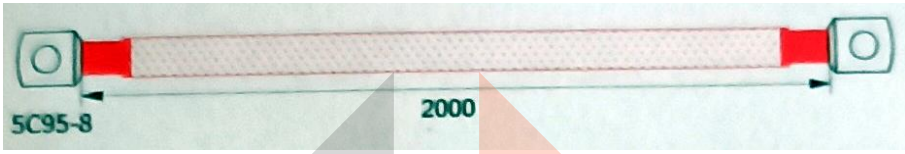
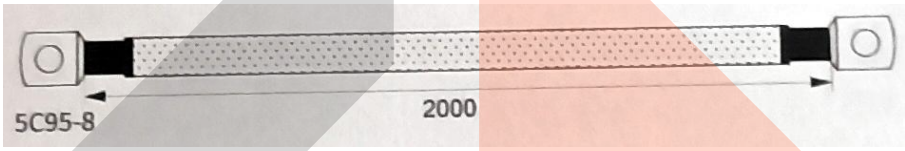
4.2.2 External cables

Cables for connecting to the inverter or distribution box are part of the external kit. They are **not** in the battery box and are bought separately. Specifications:

Type	Description	Qty
Cable	C: positive battery–inverter cable (2/0 AWG, 2000 mm, red), 5C95-8 lugs 	1 pcs
Cable	D: negative battery–inverter cable (2/0 AWG, 2000 mm, black), 5C95-8 lugs 	1 pcs

NOTICE
Leave unused cable pins free so as not to break the closed comms loop.

NOTICE
Some inverters require the comms cable to be grounded. Follow the inverter maker's requirements.

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4.3 Starting installation

▲ Qualified person

4.3.1 Reminder

Before installing, check again that conditions and equipment meet the requirements:

- Is there enough room, and will the bracket or cabinet bear the weight;
- Are the power cables rated for the maximum operating current;
- Are the power equipment and batteries sensibly placed on site;
- Is the installer wearing an antistatic wrist strap;
- Are two people on site for installation;
- Are there no risks at the site: flooding, direct sun, corrosion, salt mist.

4.3.2 Procedure

CAUTION
Improper lifting or dropping the product while carrying or installing it can cause injury. Use suitable personal protective equipment during all work.

CAUTION
Make sure there are no hidden lines in the wall that could be damaged when drilling.

4.3.2.1 Installing the battery

[1] Insert the battery into the rack





NOTICE
With any other installation method, avoid direct contact of the battery with the floor, high salinity and humidity, to prevent rust and corrosion.

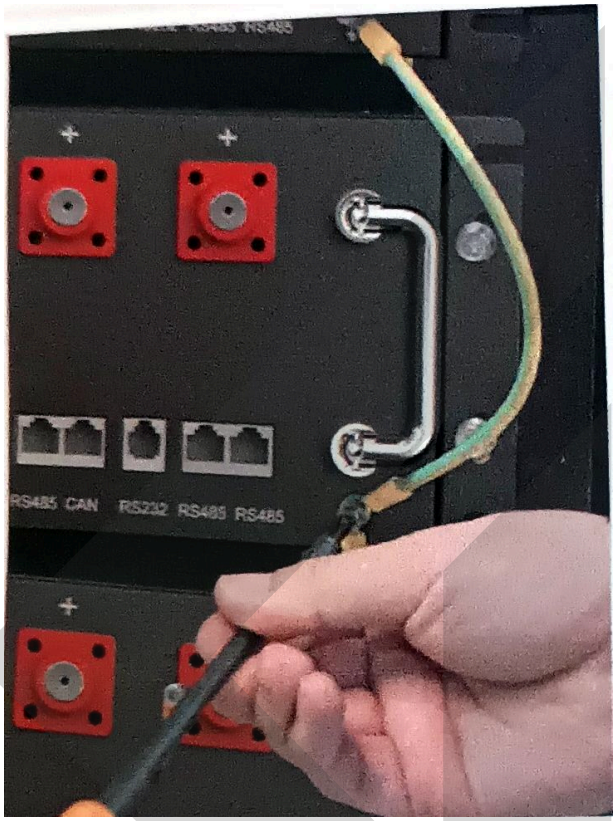
[2] Connect the batteries in parallel

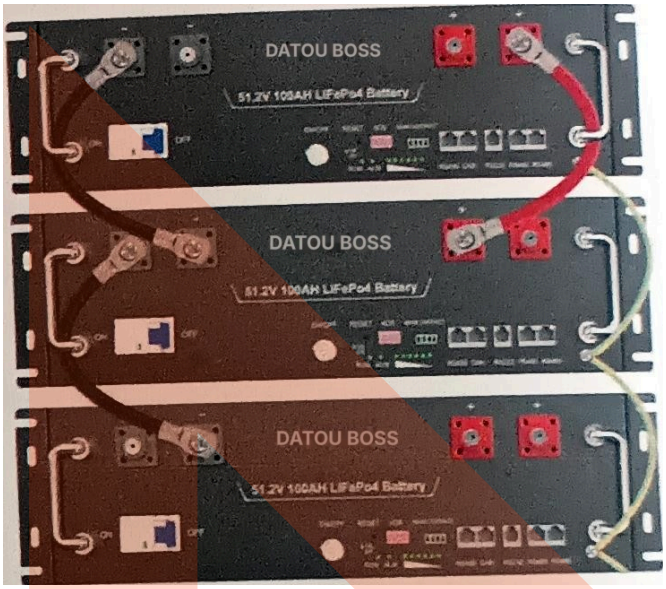
Caution: first make sure the breaker is off (left position) and the POWER button is off.

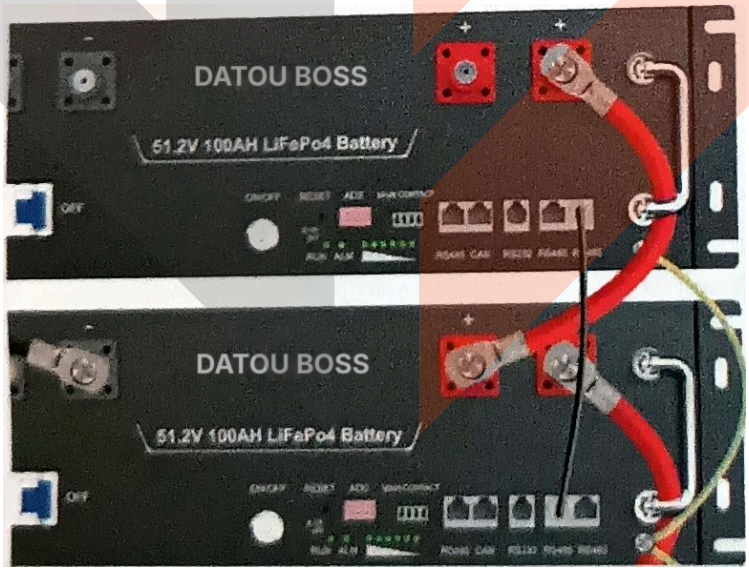
- ① Use the supplied grounding wire to connect the enclosures of all batteries together.
- ② Use the supplied parallel wires (2 AWG, 200 mm, with lugs) to connect the batteries in parallel.

- ③ Connect the batteries with comms cables.

Note: the comms cable runs from the master battery's OUT port to the slave's IN port.







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4.3.2.2 Setting the inverter comms protocol

[1] Switch the battery on

- ① Switch on the 125 A breaker.
- ② Press the POWER button.



[2] Set the comms protocol in the mobile app

- ① Scan the QR code to download the app.

- ② Open the app and search for nearby devices (turn on Bluetooth on the phone and give the app Bluetooth permission).
- ③ On the “Parameter” page, change the inverter protocol (Inverter Protocol). See the app quick guide for details.

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4.3.2.3 Connecting the battery to the inverter

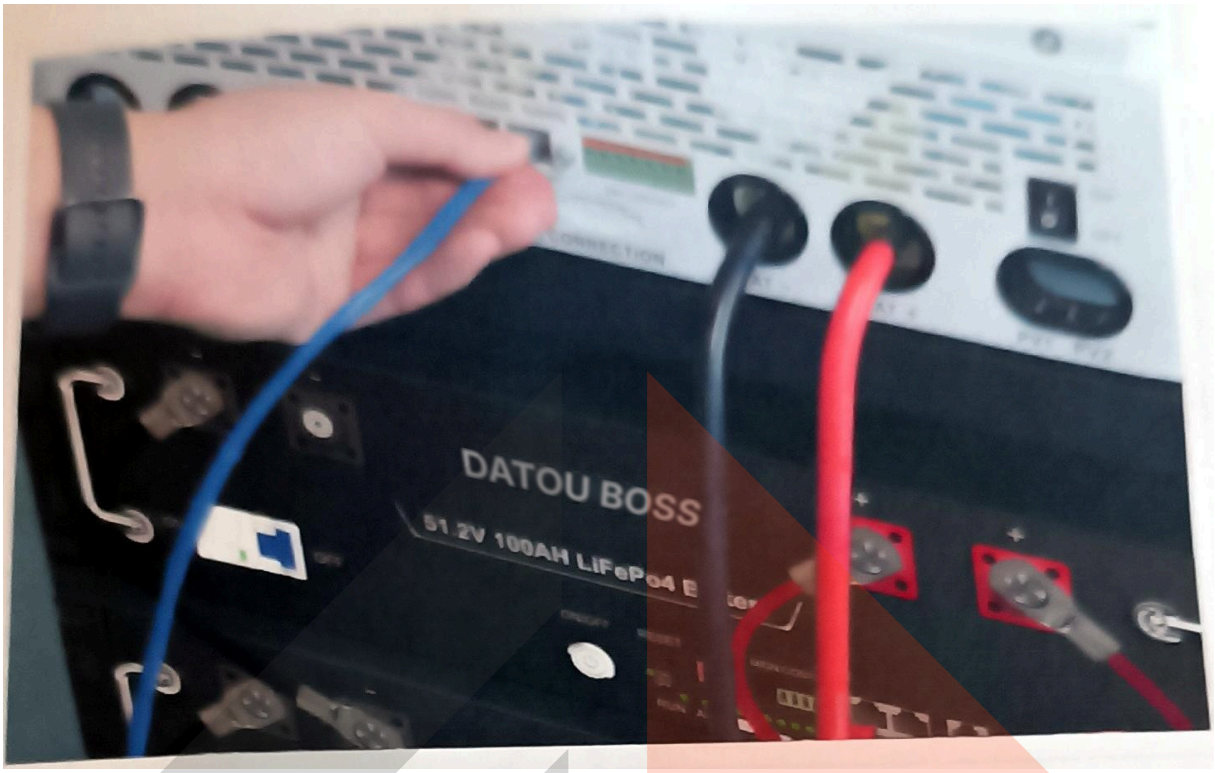
Step 1. Battery–inverter power connection

Note: before connecting cables, switch off the POWER button and the breaker. Use the cables the inverter requires to connect the battery to the inverter's BAT input.

Step 2. Battery–inverter comms

Use a standard network (Ethernet) cable to connect the battery's RS485-1 or CAN port to the inverter's BMS comms port.

> ⚠ **CAUTION**
> Before connecting, make sure the inverter's AC and PV inputs are disconnected and the DC switch / signal switch of the inverter or charger is off.



NOTE
Choose a suitable isolating breaker based on inverter power and current, rated voltage, trip characteristic, etc.

NOTICE
The comms cable between inverter / charger and battery must be shorter than 15 m.
The power cable between inverter / charger and battery should be shorter than 10 m.

CAUTION
Max. current of each power cable and terminal is 125 A; 100 A is recommended for continuous operation. Use the number of power cable pairs required by the configuration and local requirements, standards and codes.

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VI. Troubleshooting

Problem	Solution	Action
Will not turn on	1. Switch the battery on, hold RESET for 6 s and check whether it starts. 2. Charge the battery from a charger or inverter at 54–57.6 V and check whether it starts.	If the problem persists after these steps, contact the seller.
Won't charge	1. Check the battery-to-inverter / charger cable connection. 2. Check the inverter / charger settings. 3. Check whether the battery is in charge protection; if so, try discharging it.	Same
Won't discharge	1. Check the cable connection. 2. Check for a short circuit, reversed polarity or pre-charge failure when connecting to the inverter. 3. Check whether the battery is in discharge protection; if so, try charging it.	Same
High / low temperature	1. Stop the system for a while and check that the site temperature meets the requirements. 2. Avoid continuous full charges and discharges.	In other situations not in the table, switch off the faulty battery and contact the seller.
High current	Check the configuration and parameter settings of the inverter / charger.	Same
ALM is lit	Switch off all batteries and remove the faulty one from the system.	Same
No comms	1. Check the comms cable type and contact. 2. Check the DIP switch positions. 3. Check the protocol setting on the inverter. 4. Check that the battery and inverter work normally.	Same

NOTICE
Restart the battery after a software update.

VII. Transport and storage

- During transport, do not shake, strike or crush; protect from sun and rain.
- When loading and unloading, set down carefully; do not drop, roll or apply heavy pressure.

- For long-term storage, keep the battery in a dry, clean, dark, well-ventilated room; recommended temperature 15–30 °C.
- The storage area must be free of harmful gases, flammable or explosive substances and aggressive chemicals.
- Store and transport batteries at about 50 % SOC; do not store for long above 80 %.

- If the battery is unused for a long time, charge it every 6 months.
- Do not drop; stack no more than 6 layers, front side up.

VIII. Battery disposal

Dispose of the battery under local rules for electronic waste and used batteries. Check local battery recycling rules or contact the seller.

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