

BYD Battery-Box Pro QUICK REFERENCE GUIDE

Valid for Battery-Box Pro 2.5/5.0/7.5/10.0

Target Group V5

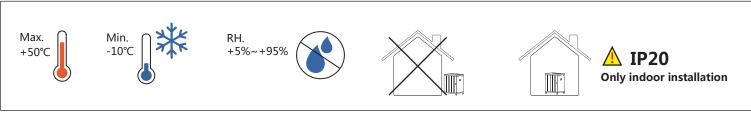
Skilled personnel recognized

This manual and the tasks and procedures described herein are intended for use by skilled workers only.

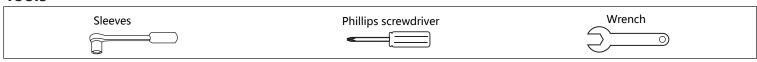
A skilled worker is defined as a trained and qualified electrician or installer who has all of the following skills and expenence:

- Knowledge of the functional principles and operation of on-grid systems.
- Knowledge of the dangers and risks associated with installing and using electrical devices and acceptable mitigation methods.
- Knowledge of the installation of electrical devices
- Knowledge of and adherence to this manual and all safety precautions and best oractices.

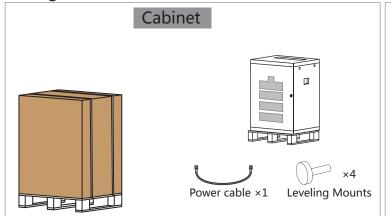
Installation environment requirements

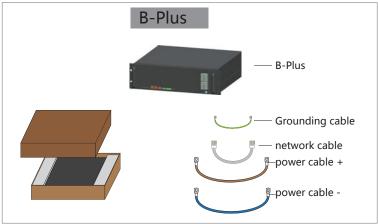


Tools

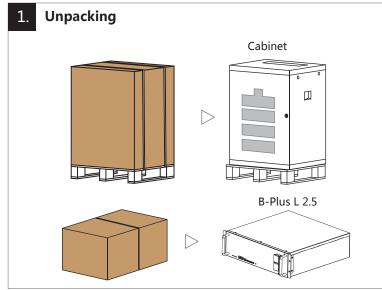


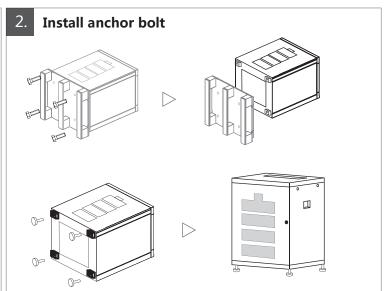
Packing list

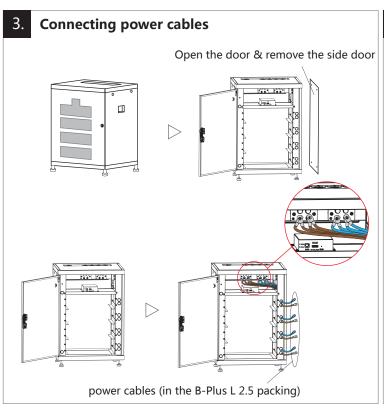


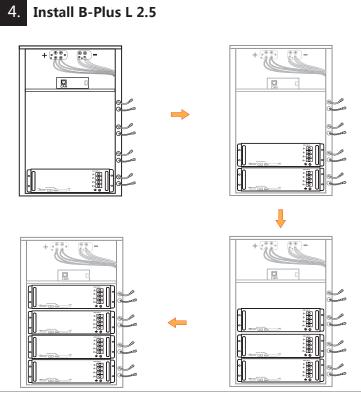


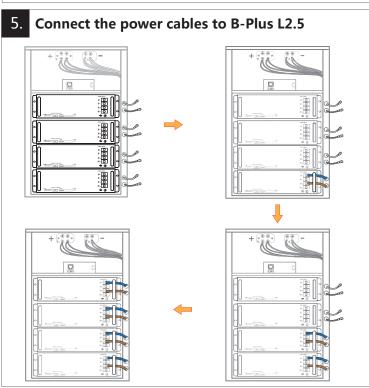
Installation steps

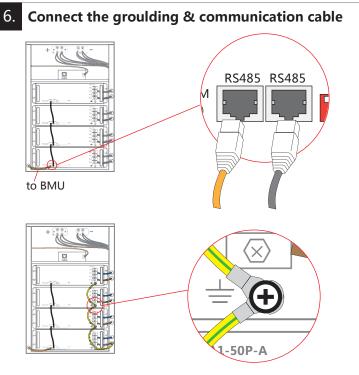






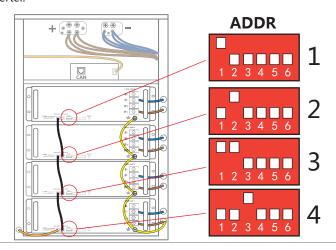






7. Address setting

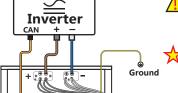
The address of the BMS must start with 1, must be consecutive, can not have 0. Only the BMU with the last address is connected to the inverter.



ADDRESS

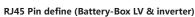
DIP	ADRR	DIP	ADRR	DIP
	11	110100	22	011010
100000	12	001100	23	111010
010000	13	101100	24	000110
110000	14	011100	25	100110
001000	15	111100	26	010110
101000	16	000010	27	110110
011000	17	100010	28	001110
111000	18	010010	29	101110
000100	19	110010	30	011110
100100	20	001010	31	111110
010100	21	101010	32	000001
	100000 010000 110000 001000 101000 011000 111000 000100 100100	11 100000 12 010000 13 110000 14 001000 15 101000 16 011000 17 111000 18 000100 19 100100 20	11 110100 100000 12 001100 010000 13 101100 110000 14 011100 001000 15 111100 101000 16 000010 011000 17 100010 111000 18 010010 000100 19 110010 100100 20 001010	11 110100 22 100000 12 001100 23 010000 13 101100 24 110000 14 011100 25 001000 15 111100 26 101000 16 000010 27 011000 17 100010 28 111000 18 010010 29 000100 19 110010 30 100100 20 001010 31

8. Single Battery-Box connect to inverter

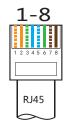


Please set the parameters of the inverter correctly according to the installation manual and the instructions of the inverter manual. Failure to do so may result in the system not working or even being damaged.

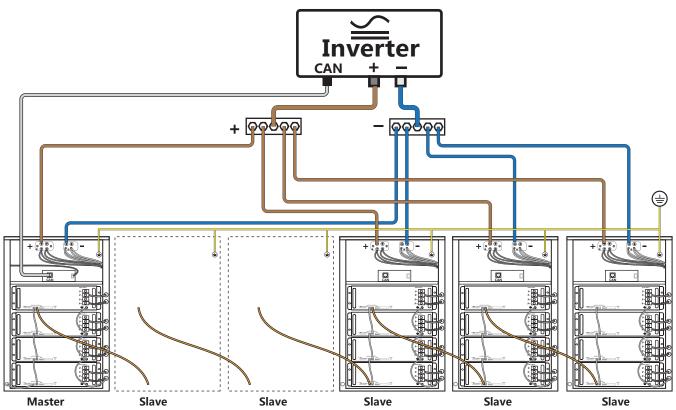
It is possible that each inverter communication cable is in a different order. Please make the communication cable according to the following sequence. Some inverter communication cables



	Battery-Box	SMA	GOODWE	VICTRON	SUNGROW	SELECTRONICS	SOLAX
CAN H	4	4	4	7	5	1	1
CAN L	5	5	5	8	4	2	2

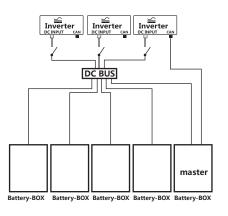


9. Installation complete for multicluster Battery-Box



Please assemble the system according to the minimum configuration in the user manual. If more than two inverters are installed in the system, Install switches for each inverter.

(Because after the Battery-Box starts, will charge to the inverter the capacitance, in the short time the current is very big, causes the Battery-Box to enter the protection mode, cannot continue to charge to the inverter, in this case, the inverter will not be able to start.)



 \Diamond

The address of the BMS must start with 1, must be consecutive, can not have 0. Only the BMU with the last address is connected to the inverter.

Diese Anleitung stellt eine verkürzte Aufbauhilfe dar, und ersetzt nicht die original Anleitung der Battery-Box, erhältlich auf www.eft-systems.de oder www.byd.com. Installation darf nur von Fachleuten durchgeführt werden. Achtung Li-Ionen Speicher! Bei unsachgemäßer Handhabung kann Gefahr für Leib und Leben entstehen. Für weitere Informationen oder Kontakt: www.eft-systems.de

This manual is a shortened assistance for the installation of the Battery-Box and does not replace the original manual, which can be found on www.eft-systems.de or www.byd.com. The installation must be carried out by a qualified expert. Attention, Li-Ion Storage! Improper handling can cause danger and damage.

Australia: http://alpspower.com.au

Chec	ck						
	CK						
O	Is the power	cables conr	nection co	orrect? ·		YES/	NO
b	Is the comm	unication ca	ıble conn	ected correctly	?	YES /	NO
	Has the batt	ery's addres	ss been se	et correctly?		YES /	NO
C	Is the batter	y reliably gr	ounded?			YES /	NO
e	Is the inverte	er set correc	tly?			YES /	NO
f	Are the other	r connectio	ns and se	tting correct?		YES /	NO
. How	/ to start and μ	ower off t	the syste	em			
art							ON/OFF
1 Pre	ess "ON/OFF" to start	the battery					Jm
	e battery's LED flashes, ar			green light and the ru	n green light, the ba	ttery is started normally.	
	cording to inverter man rn off all loads before sta		r correctly				
	rn on the load and power		ortor ratings				
	tings can be found in spe						
ower off							
1 cl	ose the power of loads a	and input.					
2 Cl	ose the inverter accordi	ng to inverter ma	anual				ON/OFF
3 Pr	ess the on / off button	for 4.5 seconds to	o close the ba	ttery			Pm-
Sh	ut down all batteries.						√)
	Warning: incorre	ct ordering c	an cause t	he system can'	t work normal	ly or even to be damaged!	
	If the system doe	s not work, p	please turi	n off the battery	before you le	ave to avoid damage caused by	the battery vent.
LED	Indications						
) LED off				RS48!	5 RS485		
,	SOC I	RU	N ERR /		5 RS485	ADDR	ON/OFF
LED blir	soc I	RU	IN ERR		5 RS485		ON/OFF
LED blir	SOC I	RU	IN ERR		5 RS485		ON/OFF
LED blir	soc I	RU	N ERR		5 RS485		ON/OFF
LED blir	soc social socia			ALM		1 2 3 4 5 6	
LED blir	soc social socia	RUN ERR	ALM	description	Statu		
LED blir	soc social socia		A ALM	description all LED was off	Statu Battery off Battery start-up	1 2 3 4 5 6	
LED blir	soc social socia		A ALM	description all LED was off	Statu Battery off	1 2 3 4 5 6	
LED blir	soc social socia		A ALM a b c f f	description all LED was off all LED was blink asts 4 seconds.	Statu Battery off Battery start-up process	1 2 3 4 5 6	
LED blir	soc social socia		A ALM a L s f. s s	description all LED was off all LED was blink asts 4 seconds. GOC & RUN LED blink ast GOC & RUN LED blink	Statu Battery off Battery start-up process Discharging	1 2 3 4 5 6	
LED blir	soc social socia		ALM a b c s s s s s s s s s s s s	description all LED was off all LED was blink asts 4 seconds. GOC & RUN LED blink ast GOC & RUN LED blink OC & RUN LED blink	Statu Battery off Battery start-up process Discharging Charging	1 2 3 4 5 6	Disposal method
LED blir LED illui 1 2 3 4 5	soc social socia		ALM a a b c S S S S S S S S S S S S S S S S S S	description all LED was off all LED was blink asts 4 seconds. BOC & RUN LED blink ast BOC & RUN LED blink ast BOC & RUN LED blink ast BOC & RUN LED blink	Statu Battery off Battery start-up process Discharging Charging Idle	Reason There may be short-circuit, over-voltage, over-current, over-temperature,	Disposal method
LED blir LED illui 1 2 3 4 5 6	soc social socia		A ALM a a b S f f S S S S IIII	description description all LED was off all LED was blink asts 4 seconds. OC & RUN LED blink ast OC & RUN LED blink and occupants OC & ALM LED luminated OC & ALM LED luminated OC & ERR LED	Statu Battery off Battery start-up process Discharging Charging Idle Protected	Reason There may be short-circuit, over-voltage, over-current, over-temperature, faulty wiring and so on.	Disposal method Eliminate errors Contact the after-sales service provider.