



BYD Battery-Box HV Compatible Inverter List

Battery-Box H 6.4/7.7/9.0/10.2/11.5

Battery-Box H 5.0/7.5/10.0

1 Configuration List of BYD Battery-Box HV with Different Inverters

1.1 BYD Battery-Box HV configuration list with SMA Sunny Boy storage

Inverter Firmware version: minimum required firmware version for SBS 2.5 is V2.4.23R.

Battery-Box firmware version: minimum required firmware version for BCU is V3.004R.

1 Phase on Grid

Inverter Type	B-Plus H 1.28	BCU
SBS 2.5	5~8	1

Inverter Firmware version: minimum required firmware version for SBS 3.7 / 5.0 / 6.0 and SBS 3.8-US / 5.0-US / 6.0-US is 1.00.20R.

Battery-Box firmware version: minimum required firmware version for BCU is V3.004R.

1 Phase on Grid

Inverter Type	B-Plus H 1.28	B-Plus H 2.5	BCU
SBS 3.7 / 5.0 / 6.0	5~8	2~4	1
SBS 3.8-US / 5.0-US / 6.0-US	5~8	2~4	1

1.2 BYD Battery-Box HV configuration list with KOSTAL PIKO & PLENTICORE plus

Inverter Firmware version: minimum required firmware version for PIKO is FW-B2.30.

Inverter UI version: minimum required version is UI-B6.44.

Battery-Box firmware version: minimum required firmware version for BCU is V3.008R.

3 Phase on Grid

Inverter Type	B-Plus H 1.28	BCU
PIKO 6.0/8.0/10 BA	5~9	1

Inverter Firmware version: minimum required firmware version for PLENTICORE plus is 1.12.

Inverter UI version: minimum required version is 01.02.01539.

Battery-Box firmware version: minimum required firmware version for BCU is V3.008R.

3 Phase on Grid

Inverter Type	B-Plus H 1.28	BCU
PLENTICORE plus	5~9	1

2 Common Issues Displayed on Inverters and Solutions

Note : The errors generated by the battery system can be uploaded to the inverter. The inverter may respond according to the error code/name uploaded by the battery.

Error Codes and Solutions

Error Code	Error Name	Causes	Solutions
0	BatteryCommErr	Battery internal communication failure	1. When it occasionally occurs, please ignore. 2. When it repeatedly occurs, please contact our after sales service provider immediately.
1	MonitorCommErr	Battery internal communication failure	
7	Discharge_OC1	Discharge current limit protection	
8	Discharge_OC2	Discharge current limit protection	
11	Cell_UV1	Battery low voltage protection	Check if the system air switch is close, if yes it can be ignored. Otherwise, wait until the inverter can charge the battery and manually close the system air switch.
12	Cell_UV2	Battery low voltage protection	
13	Cell_UV3	Battery low voltage protection	Please contact our after sales service provider immediately.
18	Charge_OC1	Charge current limit protection	1. When it occasionally occurs, please ignore. 2. When it repeatedly occurs, please contact our after sales service provider immediately.
19	Charge_OC2	Charge current limit protection	
22	Cell_OV1	Battery high voltage protection	Please contact our after sales service provider immediately.
23	Cell_OV2	Battery high voltage protection	
24	Cell_OV3	Battery high voltage protection	Please contact our after sales service provider immediately.
25	Charge_OT1	Battery high temperature protection	1. When it occasionally occurs, please ignore. 2. When it repeatedly occurs, please contact our after sales service provider immediately.
26	Charge_OT2	Battery high temperature protection	
27	Charge_OT3	Battery high temperature protection	
28	Charge_UT1	Battery low temperature protection	
29	Charge_UT2	Battery low temperature protection	

32	BatteryDiff	The voltage difference of battery cells is too high	
38	BatteryLock	Battery low voltage protection	Please contact our after sales service provider immediately.
44	DischargeFault	The relays may be damaged	
45	BatteryBreak	The system air switch is open	Close the system air switch and view history alarms, and then contact our after sales service provider immediately.
46	InverterCommErr	Battery fail to communicate with inverter	Please contact our after sales service provider immediately.
47	HardwareFault	Battery internal hardware failure	
48	PrecahrgeFault	The voltage difference between B+/B- and P+/P- is too high when precharge.	1. When it occasionally occurs, please ignore. 2. When it repeatedly occurs, please contact our after sales service provider immediately.
49	DCBusFault	The voltage of P+/P- is too low when precharge.	1. When it occasionally occurs, please ignore. 2. When it repeatedly occurs, please contact our after sales service provider immediately.
50	UpdateSuccess	Update success	Please ignore.
51	UpdateFail	Update fail	
52	SysRestart	System is going to restart	
53	System_OT	System high temperature protection	
54	System_CHG_UT	System low temperature protection	1. When it occasionally occurs, please ignore. 2. When it repeatedly occurs, please contact our after sales service provider immediately.
55	System_DIS_UT	System low temperature protection	
57	BMUProcCommErr	BMU-process fail to communicate with BCU-process	1. When it occasionally occurs, please ignore. 2. When it repeatedly occurs, please contact our after sales service provider immediately.
58	BlackStartErr	Battery fail to black start inverter	
59	StartFail	Battery normal start failure	