

# BYD BATTERY-BOX PREMIUM HVS&HVM COMPATIBLE INVERTER LIST – V2.5



[DE] BYD Battery-Box Premium HVS / HVM kompatible Wechselrichterliste

[ES] Lista de Inversores Compatibles con Battery-Box Premium HVS/HVM

[IT] Lista di Configurazione Minima e degli Inverter Compatibili con BYD Battery-Box Premium HVS/HVM

Inverter [DE] Wechselrichter [ES] Inversores [IT] Inverter		Module Quantity [DE] Modulanzahl [ES] Cantidad de módulo [IT] Quantità moduli		Minimum Firmware Version					
				Single Tower			Parallel Connection		
				[DE] Einzelturm / [ES] torre única / [IT] torre singola			[DE] Parallelschaltung / [ES] conexión paralela / [IT] connessione parallela		
				Inverter	Battery-Box		Inverter	Battery-Box	
BMU	BMS	BMU	BMS						
		HVS	HVM						
Fronius	Symo Hybrid	-	3-8	1.16.6-1	3.13	3.19	1.16.7-1	3.14	3.20
	Symo GEN24 Plus	2-4	4-8	1.9.7-0	3.13	3.19	1.10.5-0	3.14	3.20
	Primo GEN24 Plus	2-3	4-7	1.11.6-0	3.15	3.21	1.11.6-0	3.15	3.21
	<b>Note: Parallel connection is not possible for Fronius inverters in the configuration: 3 x HVM 22.1</b> [DE] Parallelschaltung ist mit Fronius Wechselrichtern nicht möglich für die Konfiguration: 3 x HVM 22.1 [ES] La conexión en paralelo no es posible para los inversores Fronius en la configuración: 3 x HVM 22.1 [IT] Il collegamento in parallelo non è possibile per gli inverter Fronius nella configurazione: 3 x HVM 22.1								
GoodWe	ET/BT	2-5	4-8	ARM 11	3.13	3.19	ARM 11	3.13	3.19
	EH/BH	2-4	3-8						
KOSTAL	Plenticore Plus 3.0	2-5	4	01.42	3.13	3.19	01.42	3.13	3.19
	Plenticore Plus 4.2/5.5/7.0/8.5/10.0	2-5	4-8						
	Plenticore BI 5.5-13, 5.5-26	2-5	5-8						
	Plenticore BI 10.0-26	3-5	5-8						
	Piko MP Plus 1.5-1, 2.0-1,2.5-1	2-3	3-4						
Piko MP Plus 3.0-1, 3.0-2, 3.5-1, 3.5-2, 4.6-2, 5.0-2	2-5	3-8	PU-APP 3.7.0, KSEM 1.2.0.	3.13	3.19	PU-APP 3.7.0, KSEM 1.2.0.	3.13	3.19	
SMA	Sunny Boy Storage 2.5	2-4	-	3.11.06R	3.15	3.21	3.11.06R	3.15	3.21
	Sunny Boy Storage 3.7	2-4	3-8	For HVS: 3.11.03R For HVM: 3.11.10R	3.13	3.19	-	-	-
	Sunny Boy Storage 5.0	2-4	3-8						
	Sunny Boy Storage 6.0	2-4	3-8						
<b>Note: For SBS 3.7 / 5.0 / 6.0 no parallel connection - check inverter manual how to connect up to three batteries</b> [DE] Für SBS 3.7 / 5.0 / 6.0 keine Parallelschaltung - siehe Wechselrichterhandbuch, wie man bis zu drei Batterien anschließt [ES] Para SBS 3.7 / 5.0 / 6.0 sin conexión en paralelo disponible: consulte el manual del inversor sobre cómo conectar hasta tres baterías [IT] Per SBS 3.7 / 5.0 / 6.0 nessuna connessione parallela è disponibile - controllare il manuale dell'inverter come collegare fino a tre batterie									
Sungrow	SH5.0/6.0/8.0/10RT	3-5	4-8	ARM,V11_V01_B MDSPV11_V01_B	3.13	3.19	ARM,V11_V01_B MDSPV11_V01_B	3.13	3.19
KACO	Blueplanet hybrid 6.0 - 10.0 TL3	2-4	3-8	5.8.6.3.7	3.13	3.19	5.8.6.3.7	3.13	3.19
Ingeteam	ISS 1Play 3TL M / 6TL M	2-4	3-8	ABH1007_F	3.15	3.22	ABH1007_F	3.15	3.22
	<b>Note: Only compatible with BCU produced since 1st October, 2020.</b> [DE] Nur kompatibel mit BCU, die seit dem 1. Oktober 2020 produziert wurden [ES] Solo compatible con BCU fabricados desde el 1 de octubre de 2020. [IT] Compatibile solo con BCU prodotte dal 1 ottobre 2020.								
Solis	RHI-3P(5-10)K-HVES-5G	2-4	3-8	V090037	3.16	3.24	-	-	-
	<b>Note: Parallel Connection not released yet</b> [DE] Parallelschaltung noch nicht freigegeben [ES] Conexión paralela aún no aprobada [IT] Connessione parallela non ancora rilasciata								



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V2.5  
2021-11-05  
BATTERY  
BOX

**Note:**

- Always install the latest firmware on the Battery-Box!
- Requirements for Parallel Connection: Maximum three battery systems could be connected in parallel; HVS system CANNOT be connected in parallel with HVM system; Every tower connected in parallel requires the same module quantity;

**[DE] Bemerkung:**

- Installieren Sie immer die neueste Firmware auf der Battery-Box!
- Anforderungen an Parallelschaltung: Es dürfen maximal drei Batteriesysteme parallel geschaltet werden; Ein HVS-System kann NICHT mit einem HVM-System kombiniert werden; Jeder parallel geschaltete Turm benötigt die gleiche Modulanzahl

**[ES] Nota:**

- ¡Instale siempre el firmware más reciente en la Battery-Box!
- Requisitos para la conexión en paralelo: se pueden conectar en paralelo un máximo de tres sistemas de baterías; El sistema HVS NO PUEDE conectarse en paralelo con el sistema HVM; Cada torre conectada en paralelo requiere la misma cantidad de módulos por torre;

**[IT] Nota:**

- Installare sempre l'ultimo firmware sul Battery-Box!
- Requisiti per il collegamento in parallelo: è possibile collegare in parallelo un massimo di tre sistemi di batterie; Il sistema HVS NON può essere collegato in parallelo al sistema HVM; Ogni torre collegata in parallelo richiede la stessa quantità di moduli per torri;

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# BYD BATTERY-BOX PREMIUM HVS&HVM COMPATIBLE INVERTER LIST – V1.8



Inverter		HVS 5.1	HVS 7.7	HVS 10.2	HVS 12.8	HVM 8.3	HVM 11.0	HVM 13.8	HVM 16.6	HVM 19.3	HVM 22.1	
Fronius	Symo Hybrid	-	-	-	-	✓	✓	✓	✓	✓	✓	
	Released (CW33) Firmware: Symo Hybrid ≥ 1.16-6.1; BYD Battery-Box Premium HVM: BMU≥3.12, BMS≥3.18											
	Symo GEN24 Plus	✓	✓	✓	-	-	✓	✓	✓	✓	✓	
	Released (CW37) Firmware: Symo Gen24 Plus ≥ 1.9.7-0; BYD Battery-Box Premium HVM: BMU≥3.13, BMS≥3.19											
	Primo GEN24 Plus*	✓	✓	-	-	-	✓	✓	✓	✓	-	
*Planned configuration – not officially released yet. Could be subject to change												
GoodWe	ET	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	
	BT	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	
	EH	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
	BH	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
	HVM Released (CW15); HVS Released (CW29) Firmware: GoodWe Inverters (ARM) ≥ V11 BYD Battery-Box Premium HVM & HVS: BMU ≥ V3.7, BMS ≥ V3.16;											
KOSTAL	Plenticore Plus 3.0	✓	✓	✓	✓	-	✓	-	-	-	-	
	Plenticore Plus 4.2/5.5/7.0/8.5/10.0	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	
	Plenticore BI 5.5-13, 5.5-26	✓	✓	✓	✓	-	-	✓	✓	✓	✓	
	Plenticore BI 10.0-26	-	✓	✓	✓	-	-	✓	✓	✓	✓	
	Released (CW17) Firmware: KOSTAL Inverters ≥ 01.42. BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.7, BMS ≥ 3.16											
	Piko MP Plus 1.5-1, 2.0-1, 2.5-1	✓	✓	-	-	✓	✓	-	-	-	-	
	Piko MP Plus 3.0-1, 3.0-2, 3.5-1, 3.5-2, 4.6-2, 5.0-2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Released (CW26) Firmware: KOSTAL Inverters ≥ PU-APP 3.7.0, KSEM ≥ 1.2.0. BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.7, BMS ≥ 3.16											



Inverter		HVS 5.1	HVS 7.7	HVS 10.2	HVS 12.8	HVM 8.3	HVM 11.0	HVM 13.8	HVM 16.6	HVM 19.3	HVM 22.1	
SMA	Sunny Boy Storage 2.5*	✓	✓	✓	–	–	–	–	–	–	–	
	*Planned configuration – not officially released yet. Could be subject to change											
	Sunny Boy Storage 3.7	✓	✓	✓	–	✓	✓	✓	✓	✓	✓	
	Sunny Boy Storage 5.0	–	✓	✓	–	–	✓	✓	✓	✓	✓	
	Sunny Boy Storage 6.0	–	✓	✓	–	–	–	✓	✓	✓	✓	
	HVS with SBS 3.7 / 5.0 / 6.0 is released (CW37) Firmware: SMA Inverters ≥ 3.11.10R BYD Battery-Box Premium HVS: BMU ≥ 3.13, BMS ≥ 3.19					Released (CW29) Firmware: SMA Inverters ≥ 3.11.03.R; BYD Battery-Box Premium HVM: BMU ≥ 3.12, BMS ≥ 3.18						
Sungrow	SH5.0/6.0/8.0/10RT	✓	✓	✓	✓	–	✓	✓	✓	✓	✓	
	Released (CW20) Firmware: Sungrow Inverters ARM ≥ V11_V01_A, MDSP ≥ V11_V01_A. BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.7, BMS ≥ 3.16											
KACO	Blueplanet hybrid 6.0 - 10.0 TL3	✓	✓	✓	–	✓	✓	✓	✓	✓	✓	
	Released (CW36) Firmware: Kaco Inverters ≥ 5.8.6.3.7; BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.13, BMS ≥ 3.19											

## NOTICE

- Maximum three battery systems could be connected in parallel. The below requirements must be fulfilled under parallel connection:
  - HVS system CANNOT be connected in parallel with HVM system;
  - Every system connected in parallel requires the same module quantity.
  - Parallel connection is not applicable to SMA Sunny Boy Storage 3.7-6.0. Please check the inverter operation manual on how to connect up to three batteries.
- Installation before official release is not allowed.
- Configurations marked in grey are not released yet and are not allowed to be installed yet. Those configurations are planned and will follow soon. The actual configuration upon official release might change.
- Always install the latest firmware on the Battery-Box!



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Fronius	Symo Hybrid	-	-	-	-	✓	✓	✓	✓	✓	✓	
	Released (CW33) Firmware: Symo Hybrid ≥ 1.16-6.1; BYD Battery-Box Premium HVM: BMU≥3.12, BMS≥3.18											
	Symo GEN24 Plus	✓	✓	✓	-	-	✓	✓	✓	✓	✓	
	Released (CW37) Firmware: Symo Gen24 Plus ≥ 1.9.7-0; BYD Battery-Box Premium HVM: BMU≥3.13, BMS≥3.19											
	Primo GEN24 Plus*	✓	✓	-	-	-	✓	✓	✓	✓	-	
*Planned configuration – not officially released yet. Could be subject to change												
GoodWe	ET	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	
	BT	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	
	EH	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
	BH	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	
	HVM Released (CW15); HVS Released (CW29) Firmware: GoodWe Inverters (ARM) ≥ V11 BYD Battery-Box Premium HVM & HVS: BMU ≥ V3.7, BMS ≥ V3.16;											
KOSTAL	Plenticore Plus 3.0	✓	✓	✓	✓	-	✓	-	-	-	-	
	Plenticore Plus 4.2/5.5/7.0/8.5/10.0	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	
	Plenticore BI 5.5-13, 5.5-26	✓	✓	✓	✓	-	-	✓	✓	✓	✓	
	Plenticore BI 10.0-26	-	✓	✓	✓	-	-	✓	✓	✓	✓	
	Released (CW17) Firmware: KOSTAL Inverters ≥ 01.42. BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.7, BMS ≥ 3.16											
	Piko MP Plus 1.5-1, 2.0-1, 2.5-1	✓	✓	-	-	✓	✓	-	-	-	-	
	Piko MP Plus 3.0-1, 3.0-2, 3.5-1, 3.5-2, 4.6-2, 5.0-2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Released (CW26) Firmware: KOSTAL Inverters ≥ PU-APP 3.7.0, KSEM ≥ 1.2.0. BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.7, BMS ≥ 3.16											



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SMA	Sunny Boy Storage 2.5*	✓	✓	✓	–	–	–	–	–	–	–	
	*Planned configuration – not officially released yet. Could be subject to change											
	Sunny Boy Storage 3.7	✓	✓	✓	–	✓	✓	✓	✓	✓	✓	
	Sunny Boy Storage 5.0	–	✓	✓	–	–	✓	✓	✓	✓	✓	
	Sunny Boy Storage 6.0	–	✓	✓	–	–	–	✓	✓	✓	✓	
	HVS with SBS 3.7 / 5.0 / 6.0 is released (CW37) Firmware: SMA Inverters ≥ 3.11.10R BYD Battery-Box Premium HVS: BMU ≥ 3.13, BMS ≥ 3.19					Released (CW29) Firmware: SMA Inverters ≥ 3.11.03.R; BYD Battery-Box Premium HVM: BMU ≥ 3.12, BMS ≥ 3.18						
Sungrow	SH5.0/6.0/8.0/10RT	✓	✓	✓	✓	–	✓	✓	✓	✓	✓	
	Released (CW20) Firmware: Sungrow Inverters ARM ≥ V11_V01_A, MDSP ≥ V11_V01_A. BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.7, BMS ≥ 3.16											
KACO	Blueplanet hybrid 6.0 - 10.0 TL3	✓	✓	✓	–	✓	✓	✓	✓	✓	✓	
	Released (CW36) Firmware: Kaco Inverters ≥ 5.8.6.3.7; BYD Battery-Box Premium HVS & HVM: BMU ≥ 3.13, BMS ≥ 3.19											

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