

BYD BATTERY-BOX PREMIUM LVL MINIMUM CONFIGURATION LIST – V2.3



1. Minimum Configuration List ON Grid

DE: Minimale Konfiguration ON Grid // ES: Configuración mínima para sistemas conectados a red // IT: Configurazione minima per sistemi in rete

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase	Minimum Configuration for Three Phase
DE: Kompatibler Wechselrichter ES: Inversor compatible IT: Inverter compatibile		DE: Minimale Konfiguration für eine Phase ES: Cantidad mínima de baterías para sistemas monofásicos a red IT: Numero minimo di batterie per sistemi monofase in rete	DE: Minimale Konfiguration für drei Phasen ES: Cantidad mínima de unidades para sistemas trifásicos a red IT: Numero minimo di batterie per sistemi trifase in rete
SMA	SI 4.4M	≥1 x LVL 15.4	≥1 x LVL 15.4
	SI 6.0H/ SI 8.0H	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ 1.3.1R.		
Victron	Multiplus 48/3000/35	≥1 x LVL 15.4	≥1 x LVL 15.4
	Multiplus 48/5000/70	≥1 x LVL 15.4	≥1 x LVL 15.4
	Multigrid 48/3000/35	≥1 x LVL 15.4	≥1 x LVL 15.4
	Quattro 48/5000/70-100/100	≥1 x LVL 15.4	≥1 x LVL 15.4
	Quattro 48/8000/110-100/100	≥1 x LVL 15.4	≥1 x LVL 15.4
	Quattro 48/10000/140-100/100	≥1 x LVL 15.4	≥1 x LVL 15.4
	Quattro 48/15000/200-100/100	≥1 x LVL 15.4	≥1 x LVL 15.4
	Easysolar 48/3000/35-50 MPPT 150/70	≥1 x LVL 15.4	≥1 x LVL 15.4
	Easysolar 48/5000/70-100 MPPT 150/100	≥1 x LVL 15.4	≥1 x LVL 15.4
	Multi RS Solar 48/6000	≥1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V2.52.			
Selectronic	SPMC480-AU/ SPMC481-AU	≥1 x LVL 15.4	≥1 x LVL 15.4
	SPMC482-AU	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V12.19.		
Studer	XTS1400-48	≥1 x LVL 15.4	≥1 x LVL 15.4
	XTM2600-48/ XTM4000-48	≥1 x LVL 15.4	≥1 x LVL 15.4
	XTH6000-48/ XTH8000-48	≥1 x LVL 15.4	≥1 x LVL 15.4
	VT-65/80	≥1 x LVL 15.4	≥1 x LVL 15.4
	VS-70/120	≥1 x LVL 15.4	≥1 x LVL 15.4
	Next 3	/	≥2 x LVL 15.4
Battery firmware: BMU ≥ V1.9, BMS ≥ V1.3; Inverter firmware (expect Next 3) ≥ R664; inverter firmware (Next 3) ≥ 0.5.0.0.			
GoodWe	ES/ EM/ BP/ SBP Series	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.16, BMS ≥ V1.8; Inverter firmware ≥ ARM V11.		
Solis	RHI-(3-6)K-48ES-5G	≥1 x LVL 15.4	/
	RAI-3K-48ES-5G	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.19, BMS ≥ V1.08; Inverter firmware: RHI (3-6K)-48ES-5G ≥ V330022, RAI-3K-48ES-5G ≥ V0B0009.		
	RHI-(3-5)K-48ES	≥1 x LVL 15.4	/
	S5-EH1P(3-6)K-L	≥1 x LVL 15.4	/
	S6-EH1P(3-6)K-L-EU/ S6-EH1P(3-6)K-L-PRO	≥1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; inverter firmware: RHI-(3-5)K-48ES/ S5-EH1P(3-6)K-L ≥ V35, S6-EH1P(3-6)K-L-EU/ S6-EH1P(3-6)K-L-PRO ≥ V320020.			



BYD Company Limited
www.bydbatterybox.com
Global Sales: batteryboxgrp@byd.com
Global Service: bboxservice@byd.com

Battery-Box EU Service Partner
EFT-Systems GmbH
www.eft-systems.de
info@eft-systems.de

Battery-Box AU Service Partner
Alps Power Pty Ltd
www.alpspower.com.au
service@alpspower.com.au

Battery-Box ZA Service Partner
Afriplus Energy Group (Pty) Ltd
www.afriplusenergy.co.za
support@afriplusenergy.co.za

Battery-Box US Service
BYD America LLC
(213) 748-3980
us.homeenergy@byd.com



Update: 2023-09-22

1. Minimum Configuration List ON Grid

DE: Minimale Konfiguration ON Grid // **ES:** Configuración mínima para sistemas conectados a red // **IT:** Configurazione minima per sistemi in rete

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase	Minimum Configuration for Three Phase
DE: Kompatibler Wechselrichter		DE: Minimale Konfiguration für eine Phase	DE: Minimale Konfiguration für drei Phasen
ES: Inversor compatible		ES: Cantidad mínima de baterías para sistemas monofásicos a red	ES: Cantidad mínima de unidades para sistemas trifásicos a red
IT: Inverter compatibile		IT: Numero minimo di batterie per sistemi monofase in rete	IT: Numero minimo di batterie per sistemi trifase in rete
Schneider	XW Pro 8548	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.20, BMS ≥ V1.10; Inverter firmware: Gateway FW : V1.14-BN465, XW FW: 1.10.		
	XW Pro 6848 NA	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware: V1.17.		
RAION	J5/ M8	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware of J5: U1 ≥ 50.05; U2 ≥ 19.17; Inverter firmware of M8: U1 ≥ 46.09 or 72.05; U2 ≥ 12.25.		
Deye	SUN-3.6K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-4.6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-5K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-5.5K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-7.6K-SG01LP1-EU	≥1 x LVL 15.4	/
	SUN-8K-SG01LP1-EU	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ C351.		
	SUN-6K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-8K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-10K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-12K-SG04LP3-EU	/	≥1 x LVL 15.4
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ 1001-C015.		
Hoymiles	HYS-LV-EUG1 Series	≥1 x LVL 15.4	/
	HAS-LV-EUG1 Series	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware ≥ 0.2.22		



BYD Company Limited

www.bydbatterybox.com

Global Sales: batteryboxgrp@byd.com

Global Service: bboxservice@byd.com

Battery-Box EU Service Partner

EFT-Systems GmbH

www.eft-systems.de

info@eft-systems.de

Battery-Box AU Service Partner

Alps Power Pty Ltd

www.alpspower.com.au

service@alpspower.com.au

Battery-Box ZA Service Partner

Afriplus Energy Group (Pty) Ltd

www.afriplusenergy.co.za

support@afriplusenergy.co.za

Battery-Box US Service

BYD America LLC

(213) 748-3980

us.homeenergy@byd.com



Update: 2023-09-22

2. Minimum Configuration List ON Grid + Backup

DE: Minimale Konfiguration für Notstrom // ES: Configuración mínima para sistemas energía de emergencia // IT: Configurazione minima per sistemi di alimentazione di emergenza

Compatible Inverter (1- / 3-phase) DE: Kompatibler Wechselrichter ES: Inversores compatibles IT: Inverter compatibile		Minimum Configuration for Single Phase DE: Minimale Konfiguration für eine Phase ES: Cantidad mínima de baterías para sistemas monofásicos a red IT: Numero minimo di batterie per sistemi monofase in rete	Minimum Configuration for Three Phase DE: Minimale Konfiguration für drei Phasen ES: Cantidad mínima de baterías para sistemas trifase a red IT: Numero minimo di batterie per sistemi trifase in rete
SMA	SI 4.4M	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	SI 6.0H/ SI 8.0H	≥ 1 x LVL 15.4	≥ 3 x LVL 15.4
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ 1.3.1R.		
Victron	Multiplus 48/3000/35	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	Multiplus 48/5000/70	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	Multigrid 48/3000/35	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	Quattro 48/5000/70-100/100	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	Quattro 48/8000/110-100/100	≥ 1 x LVL 15.4	≥ 3 x LVL 15.4
	Quattro 48/10000/140- 100/100	≥ 1 x LVL 15.4	≥ 4 x LVL 15.4
	Quattro 48/15000/200- 100/100	≥ 2 x LVL 15.4	≥ 6 x LVL 15.4
	Easysolar 48/3000/35-50 MPPT 150/70	≥ 1 x LVL 15.4	≥ 1 x LVL 15.4
	Easysolar 48/5000/70-100 MPPT 150/100	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	Multi RS Solar 48/6000	≥ 1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V2.52.			
Selectronic	SPMC480-AU/ SPMC481-AU	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	SPMC482-AU	≥ 1 x LVL 15.4	≥ 3 x LVL 15.4
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V12.19.		
Studer	XTS1400-48	≥ 1 x LVL 15.4	≥ 1 x LVL 15.4
	XTM2600-48	≥ 1 x LVL 15.4	≥ 1 x LVL 15.4
	XTM4000-48	≥ 1 x LVL 15.4	≥ 2 x LVL 15.4
	XTH6000-48	≥ 1 x LVL 15.4	≥ 3 x LVL 15.4
	XTH8000-48	≥ 2 x LVL 15.4	≥ 4 x LVL 15.4
	VT-65/80	≥ 1 x LVL 15.4	≥ 1 x LVL 15.4
	VS-70/120	≥ 1 x LVL 15.4	≥ 1 x LVL 15.4
	Next3	/	≥ 2 x LVL 15.4
Battery firmware: BMU ≥ V1.9, BMS ≥ V1.3; Inverter firmware (expect Next 3) ≥ R664; inverter firmware (Next 3) ≥ 0.5.0.0.			
GoodWe	ES/ EM/ BP/ SBP Series	≥ 1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.16, BMS ≥ V1.8; Inverter firmware ≥ ARM V11.		
Solis	RHI-(3-6)K-48ES-5G	≥ 1 x LVL 15.4	/
	RAI-3K-48ES-5G	≥ 1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.19, BMS ≥ V1.08; Inverter firmware: RHI (3-6K)-48ES-5G ≥ V330022, RAI-3K-48ES-5G ≥ V0B0009.		
	RHI-(3-5)K-48ES	≥ 1 x LVL 15.4	/
	S5-EH1P(3-6)K-L	≥ 1 x LVL 15.4	/
	S6-EH1P(3-6)K-L-EU	≥ 1 x LVL 15.4	/
	S6-EH1P(3-6)K-L-PRO	≥ 1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware: RHI-(3-5)K-48ES/ S5-EH1P(3-6)K-L ≥ V35, S6-EH1P(3-6)K-L-EU/ S6-EH1P(3-6)K-L-PRO ≥ V320020.			



BYD Company Limited

www.bydbatterybox.com

Global Sales: batteryboxgrp@byd.com

Global Service: bboxservice@byd.com

Battery-Box EU Service Partner

EFT-Systems GmbH

www.eft-systems.de

info@eft-systems.de

Battery-Box AU Service Partner

Alps Power Pty Ltd

www.alpspower.com.au

service@alpspower.com.au

Battery-Box ZA Service Partner

Afriplus Energy Group (Pty) Ltd

www.afriplusenergy.co.za

support@afriplusenergy.co.za

Battery-Box US Service

BYD America LLC

(213) 748-3980

us.homeenergy@byd.com



Update: 2023-09-22

2. Minimum Configuration List ON Grid + Backup

DE: Minimale Konfiguration für Notstrom // **ES:** Configuración mínima para sistemas energía de emergencia // **IT:** Configurazione minima per sistemi di alimentazione di emergenza

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase	Minimum Configuration for Three Phase
DE: Kompatibler Wechselrichter		DE: Minimale Konfiguration für eine Phase	DE: Minimale Konfiguration für drei Phasen
ES: Inversores compatibles		ES: Cantidad mínima de baterías para sistemas monofásicos a red	ES: Cantidad mínima de baterías para sistemas trifase a red
IT: Inverter compatibile		IT: Numero minimo di batterie per sistemi monofase in rete	IT: Numero minimo di batterie per sistemi trifase in rete
Schneider	XW Pro 8548	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.20, BMS ≥ V1.10; Inverter firmware: Gateway FW : V1.14-BN465, XW FW: 1.10.		
	XW Pro 6848 NA	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware: V1.17.		
RAION	J5	≥1 x LVL 15.4	≥2 x LVL 15.4
	M8	≥1 x LVL 15.4	≥3 x LVL 15.4
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware of J5: U1 ≥ 50.05; U2 ≥ 19.17. Inverter firmware of M8: U1 ≥ 46.09 or 72.05; U2 ≥ 12.25.		
Deye	SUN-3.6K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-4.6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-5K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-5.5K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-7.6K-SG01LP1-EU	≥1 x LVL 15.4	/
	SUN-8K-SG01LP1-EU	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ C351.		
	SUN-6K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-8K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-10K-SG04LP3-EU	/	≥2 x LVL 15.4
	SUN-12K-SG04LP3-EU	/	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ 1001-C015.		
	Hoymiles	HYS-LV-EUG1 Series	≥1 x LVL 15.4
HAS-LV-EUG1 Series		≥1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware ≥ 0.2.22			



BYD Company Limited

www.bydbatterybox.com

Global Sales: batteryboxgrp@byd.com

Global Service: bboxservice@byd.com

Battery-Box EU Service Partner

EFT-Systems GmbH

www.eft-systems.de

info@eft-systems.de

Battery-Box AU Service Partner

Alps Power Pty Ltd

www.alpspower.com.au

service@alpspower.com.au

Battery-Box ZA Service Partner

Afriplus Energy Group (Pty) Ltd

www.afriplusenergy.co.za

support@afriplusenergy.co.za

Battery-Box US Service

BYD America LLC

(213) 748-3980

us.homeenergy@byd.com



Update: 2023-09-22

3. Minimum Configuration List OFF Grid Typical Use

DE: Minimale Konfiguration Off Grid für den typischen Gebrauch // **ES:** Configuración mínima para sistemas aislados, uso convencional // **IT:** Configurazione minima per sistemi in isola, uso tipico

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase	Minimum Configuration for Three Phase
DE: Kompatibler Wechselrichter		DE: Minimale Konfiguration für eine Phase	DE: Minimale Konfiguration für drei Phasen
ES: Inversores compatibles		ES: Cantidad mínima de baterías para sistemas monofásicos aisladas	ES: Cantidad mínima de baterías para sistemas trifase aisladas
IT: Inverter compatibile		IT: Numero minimo di batterie per sistemi monofase in isola	IT: Numero minimo di batterie per sistemi trifase in isola
SMA	SI 4.4M	≥1 x LVL 15.4	≥2 x LVL 15.4
	SI 6.0H/ SI 8.0H	≥1 x LVL 15.4	≥3 x LVL 15.4
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ 1.3.1R.		
Victron	Multiplus 48/3000/35	≥1 x LVL 15.4	≥1 x LVL 15.4
	Multiplus 48/5000/70	≥1 x LVL 15.4	≥2 x LVL 15.4
	Multigrid 48/3000/35	≥1 x LVL 15.4	≥1 x LVL 15.4
	Quattro 48/5000/70-100/100	≥1 x LVL 15.4	≥2 x LVL 15.4
	Quattro 48/8000/110-100/100	≥1 x LVL 15.4	≥2 x LVL 15.4
	Quattro 48/10000/140-100/100	≥1 x LVL 15.4	≥3 x LVL 15.4
	Quattro 48/15000/200-100/100	≥2 x LVL 15.4	≥4 x LVL 15.4
	Easysolar 48/3000/35-50 MPPT 150/70	≥1 x LVL 15.4	≥1 x LVL 15.4
	Easysolar 48/5000/70-100 MPPT 150/100	≥1 x LVL 15.4	≥2 x LVL 15.4
	Multi RS Solar 48/6000	≥1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V2.52.			
Selectronic	SPMC480-AU	≥1 x LVL 15.4	≥1 x LVL 15.4
	SPMC481-AU/ SPMC482-AU	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V12.19.		
Studer	XTS1400-48	≥1 x LVL 15.4	≥1 x LVL 15.4
	XTM2600-48/ XTM4000-48	≥1 x LVL 15.4	≥1 x LVL 15.4
	XTH6000-48/ XTH8000-48	≥1 x LVL 15.4	≥2 x LVL 15.4
	VT-65/80	≥1 x LVL 15.4	≥1 x LVL 15.4
	VS-70/120	≥1 x LVL 15.4	≥1 x LVL 15.4
	Next 3	/	≥2 x LVL 15.4
Battery firmware: BMU ≥ V1.9, BMS ≥ V1.3; Inverter firmware (expect Next 3) ≥ R664; inverter firmware (Next 3) ≥ 0.5.0.0.			
GoodWe	ES/ EM/ BP/ SBP Series	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.16, BMS ≥ V1.8; Inverter firmware ≥ ARM V11.		
Solis	RHI-(3-6)K-48ES-5G	≥1 x LVL 15.4	/
	RAI-3K-48ES-5G	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.19, BMS ≥ V1.08; Inverter firmware: Solis RHI (3-6K)-48ES-5G firmware ≥ V330022, RAI-3K-48ES-5G ≥ V0B0009.		
	RHI-(3-5)K-48ES	≥1 x LVL 15.4	/
	S5-EH1P(3-6)K-L	≥1 x LVL 15.4	/
	S6-EH1P(3-6)K-L-EU/ S6-EH1P(3-6)K-L-PRO	≥1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware: RHI-(3-5)K-48ES/ S5-EH1P(3-6)K-L ≥ V35, S6-EH1P(3-6)K-L-EU/ S6-EH1P(3-6)K-L-PRO ≥ V320020.			
Schneider	XW Pro 8548	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.20, BMS ≥ V1.10; Inverter firmware: Gateway FW : V1.14-BN465, XW FW: 1.10.		
	XW Pro 6848 NA	≥1 x LVL 15.4	≥2 x LVL 15.4
Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware: V1.17.			



BYD Company Limited

www.bydbatterybox.com
Global Sales: batteryboxgrp@byd.com
Global Service: bboxservice@byd.com

Battery-Box EU Service Partner

EFT-Systems GmbH
www.eft-systems.de
info@eft-systems.de

Battery-Box AU Service Partner

Alps Power Pty Ltd
www.alpspower.com.au
service@alpspower.com.au

Battery-Box ZA Service Partner

Afriplus Energy Group (Pty) Ltd
www.afriplusenergy.co.za
support@afriplusenergy.co.za

Battery-Box US Service

BYD America LLC
(213) 748-3980
us.homeenergy@byd.com



Update: 2023-09-22

3. Minimum Configuration List OFF Grid Typical Use

DE: Minimale Konfiguration Off Grid für den typischen Gebrauch // **ES:** Configuración mínima para sistemas aislados, uso convencional // **IT:** Configurazione minima per sistemi in isola, uso tipico

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase	Minimum Configuration for Three Phase
DE: Kompatibler Wechselrichter		DE: Minimale Konfiguration für eine Phase	DE: Minimale Konfiguration für drei Phasen
ES: Inversores compatibles		ES: Cantidad mínima de baterías para sistemas monofásicos aisladas	ES: Cantidad mínima de baterías para sistemas trifase aisladas
IT: Inverter compatibile		IT: Numero minimo di batterie per sistemi monofase in isola	IT: Numero minimo di batterie per sistemi trifase in isola
RAION	J5	≥1 x LVL 15.4	≥2 x LVL 15.4
	M8	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware of J5: U1 ≥ 50.05; U2 ≥ 19.17. Inverter firmware of M8: U1 ≥ 46.09 or 72.05; U2 ≥ 12.25.		
Deye	SUN-3.6K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-4.6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-5K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-5.5K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-7.6K-SG01LP1-EU	≥1 x LVL 15.4	/
	SUN-8K-SG01LP1-EU	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ C351.		
	SUN-6K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-8K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-10K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-12K-SG04LP3-EU	/	≥1 x LVL 15.4
Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ 1001-C015.			
Hoymiles	HYS-LV-EUG1 Series	≥1 x LVL 15.4	/
	HAS-LV-EUG1 Series	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware ≥ 0.2.22		



BYD Company Limited

www.bydbatterybox.com

Global Sales: batteryboxgrp@byd.com

Global Service: bboxservice@byd.com

Battery-Box EU Service Partner

EFT-Systems GmbH

www.eft-systems.de

info@eft-systems.de

Battery-Box AU Service Partner

Alps Power Pty Ltd

www.alpspower.com.au

service@alpspower.com.au

Battery-Box ZA Service Partner

Afriplus Energy Group (Pty) Ltd

www.afriplusenergy.co.za

support@afriplusenergy.co.za

Battery-Box US Service

BYD America LLC

(213) 748-3980

us.homeenergy@byd.com



Update: 2023-09-22

4. Minimum Configuration List Off Grid for Inrush Power Use

DE: Minimale Konfiguration Off Grid, für hohe Einschaltströme // **ES:** Configuración mínima para sistemas aislados para soportar picos de corriente máximos // **IT:** Configurazione minima per sistemi in isola per potenza di pico ammissibile

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase	Minimum Configuration for Three Phase (remarks for inrush power)
DE: Kompatibler Wechselrichter		DE: Minimale Konfiguration für eine Phase	DE: Minimale Konfiguration für drei Phasen
ES: Inversores compatibles		ES: Cantidad mínima de baterías para sistema monofase aislada con pico	ES: Cantidad mínima de baterías para sistemas trifase aisladas con pico
IT: Inverter compatibile		IT: Numero minimo di batterie per sistemi monofase in isola con pico	IT: Numero minimo di batterie per sistemi trifase in isola con pico
SMA	SI 4.4M	≥1 x LVL 15.4	≥2 x LVL 15.4 (5.5 kW, 3 sec per Inverter)
	SI 6.0H/ SI 8.0H	≥1 x LVL 15.4	≥3 x LVL 15.4 (11 kW, 3 sec per Inverter)
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ 1.3.1R.		
Victron	Multiplus 48/3000/35	≥1 x LVL 15.4	≥2 x LVL 15.4 (6 kW, 5 sec per Inverter)
	Multiplus 48/5000/70	≥1 x LVL 15.4	≥2 x LVL 15.4 (10 kW, 5 sec per Inverter)
	Multigrid 48/3000/35	≥1 x LVL 15.4	≥2 x LVL 15.4 (6 kW, 5 sec per Inverter)
	Quattro 48/5000/70-100/100	≥1 x LVL 15.4	≥2 x LVL 15.4 (10 kW, 5 sec per Inverter)
	Quattro 48/8000/110-100/100	≥1 x LVL 15.4	≥3 x LVL 15.4 (16 kW, 5 sec per Inverter)
	Quattro 48/10000/140- 100/100	≥1 x LVL 15.4	≥4 x LVL 15.4 (20 kW, 5 sec per Inverter)
	Quattro 48/15000/200- 100/100	≥2 x LVL 15.4	≥6 x LVL 15.4 (25 kW, 5 sec per Inverter)
	Easysolar 48/3000/35-50 MPPT 150/70	≥1 x LVL 15.4	≥1 x LVL 15.4 (6 kW, 5 sec per Inverter)
	Easysolar 48/5000/70-100 MPPT 150/100	≥1 x LVL 15.4	≥2 x LVL 15.4 (10 kW, 5 sec per Inverter)
	Multi RS Solar 48/6000	≥1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V2.52.			
Selectronic	SPMC480-AU	≥1 x LVL 15.4	≥2 x LVL 15.4 (9.4 kW, 30 sec per Inverter)
	SPMC481-AU	≥1 x LVL 15.4	≥2 x LVL 15.4 (12 kW, 30 sec per Inverter)
	SPMC482-AU	≥1 x LVL 15.4	≥3 x LVL 15.4 (18 kW, 30 sec per Inverter)
	Battery Firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V12.19.		
Studer	XTS1400-48	≥1 x LVL 15.4	≥1 x LVL 15.4 (2.8 kW, 5 sec per Inverter)
	XTM2600-48	≥1 x LVL 15.4	≥1 x LVL 15.4 (6.5 kW, 5 sec per Inverter)
	XTM4000-48	≥1 x LVL 15.4	≥2 x LVL 15.4 (10.5 kW, 5 sec per Inverter)
	XTH6000-48	≥1 x LVL 15.4	≥3 x LVL 15.4 (15 kW, 5 sec per Inverter)
	XTH8000-48	≥2 x LVL 15.4	≥4 x LVL 15.4 (21 kW, 5 sec per Inverter)
	VT-65/ VT-80/ VS-70	≥1 x LVL 15.4	≥1 x LVL 15.4
	VS-120	≥1 x LVL 15.4	≥2 x LVL 15.4
	Next 3	/	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.9, BMS ≥ V1.3; Inverter firmware (expect Next 3) ≥ R664; inverter firmware (Next 3) ≥ 0.5.0.0.		
Solis	RHI-(3-6)K-48ES-5G	≥1 x LVL 15.4	/
	RAI-3K-48ES-5G	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.19, BMS ≥ V1.08; Inverter firmware: Solis RHI (3-6K)-48ES-5G firmware ≥ V330022, RAI-3K-48ES-5G ≥ V0B0009.		
	RHI-(3-5)K-48ES/ S5-EH1P(3-6)K-L	≥1 x LVL 15.4	/
	S6-EH1P(3-6)K-L-EU/ S6-EH1P(3-6)K-L-PRO	≥1 x LVL 15.4	/
Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware: RHI-(3-5)K-48ES/ S5-EH1P(3-6)K-L ≥ V35, S6-EH1P(3-6)K-L-EU/ S6-EH1P(3-6)K-L-PRO ≥ V320020.			
Schneider	XW Pro 8548	≥1 x LVL 15.4	≥3 x LVL 15.4
	Battery firmware: BMU ≥ V1.20, BMS ≥ V1.10; Inverter firmware: Gateway FW : V1.14-BN465, XW FW: 1.10		
	XW Pro 6848 NA	≥1 x LVL 15.4	≥2 x LVL 15.4
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware: V1.17.		



BYD Company Limited
www.bydbatterybox.com
Global Sales: batteryboxgrp@byd.com
Global Service: bboxservice@byd.com

Battery-Box EU Service Partner
EFT-Systems GmbH
www.eft-systems.de
info@eft-systems.de

Battery-Box AU Service Partner
Alps Power Pty Ltd
www.alpspower.com.au
service@alpspower.com.au

Battery-Box ZA Service Partner
Afriplus Energy Group (Pty) Ltd
www.afriplusenergy.co.za
support@afriplusenergy.co.za

Battery-Box US Service
BYD America LLC
(213) 748-3980
us.homeenergy@byd.com



Update: 2023-09-22

4. Minimum Configuration List OFF Grid for Inrush Power Use

DE: Minimale Konfiguration Off Grid, für hohe Einschaltströme // **ES:** Configuración mínima para sistemas aislados para soportar picos de corriente máximos // **IT:** Configurazione minima per sistemi in isola per potenza di pico ammissibile

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase	Minimum Configuration for Three Phase <i>(remarks for inrush power)</i>
DE: Kompatibler Wechselrichter		DE: Minimale Konfiguration für eine Phase	DE: Minimale Konfiguration für drei Phasen
ES: Inversores compatibles		ES: Cantidad mínima de baterías para sistema monofase aislada con pico	ES: Cantidad mínima de baterías para sistemas trifase aisladas con pico
IT: Inverter compatibile		IT: Numero minimo di batterie per sistemi monofase in isola con pico	IT: Numero minimo di batterie per sistemi trifase in isola con pico
RAION	J5	≥1 x LVL 15.4	≥2 x LVL 15.4
	M8	≥1 x LVL 15.4	≥3 x LVL 15.4
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware of J5: U1 ≥ 50.05; U2 ≥ 19.17. Inverter firmware of M8: U1 ≥ 46.09 or 72.05; U2 ≥ 12.25.		
Deye	SUN-3.6K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-4.6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-5K-SG01/03LP1-EU	≥1 x LVL 15.4	/
	SUN-5.5K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-6K-SG03LP1-EU	≥1 x LVL 15.4	/
	SUN-7.6K-SG01LP1-EU	≥1 x LVL 15.4	/
	SUN-8K-SG01LP1-EU	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ C351.		
	SUN-6K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-8K-SG04LP3-EU	/	≥1 x LVL 15.4
	SUN-10K-SG04LP3-EU	/	≥2 x LVL 15.4
SUN-12K-SG04LP3-EU	/	≥2 x LVL 15.4	
Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ 1001-C015.			
Hoymiles	HYS-LV-EUG1 Series	≥1 x LVL 15.4	/
	HAS-LV-EUG1 Series	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware ≥ 0.2.22.		

Note:

- **Each inverter has their inrush power for off grid applications. Please make sure to consult the inverter manufacturer for the right value of correspondences.**

[DE] Jeder Wechselrichter hat seine Einschaltströme für Off-Grid Anwendungen. Bitte erkundigen Sie sich beim Hersteller des Wechselrichters nach dem richtigen Korrespondenzwert.

[ES] Cada inversor presenta unas características distintas con respecto a los picos de corriente permitidos así que es recomendable consultar con el fabricante de inversores que la información de esta tabla es la más reciente.

[IT] ogni inverter ha la sua Potenza di Pico Ammissibile per applicazioni in isola (Off-Grid). Consulta i valori correspondent dell'inverter usato.

- **Max. 64 Systems in parallel connection**

[DE] max. 64 Systeme in Parallelschaltung

[ES] Max. 64 sistemas en conexión en paralelo

[IT] Max. 64 Sistemi in connessione parallela

- **The Information in this document is subject to change without notice. Please take the latest version of this document at our websites into account.**

[DE] Die Informationen in diesem Dokument können ohne vorherige Ankündigung geändert werden. Bitte berücksichtigen Sie die neueste Version dieses Dokuments auf unseren Websites.

[ES] La información de este documento está sujeta a cambios sin previo aviso. Tenga en cuenta la última versión de este documento en nuestros sitios web.

[IT] Le informazioni contenute in questo documento sono soggette a modifiche senza preavviso. Si prega di prendere in considerazione l'ultima versione di questo documento sui nostri siti web.



BYD Company Limited

www.bydbatterybox.com

Global Sales: batteryboxgrp@byd.com

Global Service: bboxservice@byd.com

Battery-Box EU Service Partner

EFT-Systems GmbH

www.eft-systems.de

info@eft-systems.de

Battery-Box AU Service Partner

Alps Power Pty Ltd

www.alpspower.com.au

service@alpspower.com.au

Battery-Box ZA Service Partner

Afriplus Energy Group (Pty) Ltd

www.afriplusenergy.co.za

support@afriplusenergy.co.za

Battery-Box US Service

BYD America LLC

(213) 748-3980

us.homeenergy@byd.com



Update: 2023-09-22