

# BYD BATTERY-BOX PREMIUM LVL MINIMUM CONFIGURATION LIST – V2.1



## 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 MPPT150/70	≥1 x LVL 15.4	≥1 x LVL 15.4
	Easysolar 48/5000/70-100 MPPT150/100	≥1 x LVL 15.4	≥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-3K / 3.6K / 4.6K / 5K / 6K-48ES-5G	≥1 x LVL 15.4	/
	RAI-3K-48ES-5G	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.19, BMS ≥ V1.08; Solis RHI (3-6K)-48ES-5G firmware ≥ V330022, RAI-3K-48ES-5G ≥ V0B0009		
Schneider	Conext XW Pro	≥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		
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, U2≥ 12.25. Inverter firmware of M8: U1≥ 46.09 or 72.05; U2≥ 12.25.		



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## 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

<b>Compatible Inverter (1- / 3-phase)</b>		<b>Minimum Configuration for Single Phase</b>	<b>Minimum Configuration for Three Phase</b>
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
<b>Deye</b>	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.		



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## 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 ES: Inversores compatibles 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 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 MPPT150/70	≥1 x LVL 15.4	≥1 x LVL 15.4
	Easysolar 48/5000/70-100 MPPT150/100	≥1 x LVL 15.4	≥2 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-3K / 3.6K / 4.6K / 5K / 6K-48ES-5G	≥1 x LVL 15.4	/
	RAI-3K-48ES-5G	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.19, BMS ≥ V1.08; Solis RHI (3-6K)-48ES-5G firmware ≥ V330022, RAI-3K-48ES-5G ≥ V0B0009		
Schneider	Conext XW Pro	≥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		
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, U2≥ 12.25. Inverter firmware of M8: U1≥ 46.09 or 72.05; U2≥ 12.25.		



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## 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

<b>Compatible Inverter (1- / 3-phase)</b>		<b>Minimum Configuration for Single Phase</b>	<b>Minimum Configuration for Three Phase</b>
DE: Kompatibler Wechselrichter ES: Inversores compatibles 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 baterías para sistemas trifase a red IT: Numero minimo di batterie per sistemi trifase in rete
<b>Deye</b>	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.		



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### 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

<b>Compatible Inverter (1- / 3-phase)</b> DE: Kompatibler Wechselrichter ES: Inversores compatibles IT: Inverter compatibile		<b>Minimum Configuration for Single Phase</b> DE: Minimale Konfiguration für eine Phase ES: Cantidad mínima de baterías para sistemas monofásicos aisladas IT: Numero minimo di batterie per sistemi monofase in isola	<b>Minimum Configuration for Three Phase</b> DE: Minimale Konfiguration für drei Phasen ES: Cantidad mínima de baterías para sistemas trifase aisladas IT: Numero minimo di batterie per sistemi trifase in isola
<b>SMA</b>	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		
<b>Victron</b>	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
	Multigrad 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 MPPT150/70	≥1 x LVL 15.4	≥1 x LVL 15.4
	Easysolar 48/5000/70-100 MPPT150/100	≥1 x LVL 15.4	≥2 x LVL 15.4
Battery firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V2.52			
<b>Selectronic</b>	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		
<b>Studer</b>	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			
<b>GoodWe</b>	ES/ EM/ BP/ SBP Series	≥1 x LVL 15.4	/
	Battery firmware: BMU ≥ V1.16, BMS ≥ V1.8; Inverter firmware ≥ ARM V11		
<b>Schneider</b>	Conext XW Pro	≥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		
<b>RAION</b>	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, U2≥ 12.25. Inverter firmware of M8: U1≥ 46.09 or 72.05; U2≥ 12.25.		



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### 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

<b>Compatible Inverter (1- / 3-phase)</b>		<b>Minimum Configuration for Single Phase</b>	<b>Minimum Configuration for Three Phase</b>
DE: Kompatibler Wechselrichter ES: Inversores compatibles IT: Inverter compatibile		DE: Minimale Konfiguration für eine Phase ES: Cantidad mínima de baterías para sistemas monofásicos aisladas IT: Numero minimo di batterie per sistemi monofase in isola	DE: Minimale Konfiguration für drei Phasen ES: Cantidad mínima de baterías para sistemas trifase aisladas IT: Numero minimo di batterie per sistemi trifase in isola
<b>Deye</b>	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.		



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#### 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

<b>Compatible Inverter (1- / 3-phase)</b>		<b>Minimum Configuration for Single Phase</b>	<b>Minimum Configuration for Three Phase</b> <i>(remarks for inrush power)</i>
DE: Kompatibler Wechselrichter ES: Inversores compatibles IT: Inverter compatibile		DE: Minimale Konfiguration für eine Phase ES: Cantidad mínima de baterías para sistema monofase aislada con pico IT: Numero minimo di batterie per sistemi monofase in isola con pico	DE: Minimale Konfiguration für drei Phasen ES: Cantidad mínima de baterías para sistemas trifase aisladas con pico IT: Numero minimo di batterie per sistemi trifase in isola con pico
<b>SMA</b>	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		
<b>Victron</b>	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)
	Multigrad 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 MPPT150/70	≥1 x LVL 15.4	≥1 x LVL 15.4 (6 kW, 5 sec per Inverter)
	Easysolar 48/5000/70-100 MPPT150/100	≥1 x LVL 15.4	≥2 x LVL 15.4 (10 kW, 5 sec per Inverter)
Battery firmware: BMU ≥ V1.7, BMS ≥ V1.3; Inverter firmware ≥ V2.52			
<b>Selectronic</b>	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		
<b>Studer</b>	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	≥1 x LVL 15.4	≥1 x LVL 15.4
	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		
<b>Schneider</b>	Conext XW Pro	≥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		
<b>RAION</b>	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, U2≥ 12.25. Inverter firmware of M8: U1≥ 46.09 or 72.05; U2≥ 12.25.		



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Version: V2.1

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#### 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

<b>Compatible Inverter (1- / 3-phase)</b> DE: Kompatibler Wechselrichter ES: Inversores compatibles IT: Inverter compatibile		<b>Minimum Configuration for Single Phase</b> DE: Minimale Konfiguration für eine Phase ES: Cantidad mínima de baterías para sistema monofase aislada con pico IT: Numero minimo di batterie per sistemi monofase in isola con pico	<b>Minimum Configuration for Three Phase</b> <i>(remarks for inrush power)</i> DE: Minimale Konfiguration für drei Phasen ES: Cantidad mínima de baterías para sistemas trifase aisladas con pico IT: Numero minimo di batterie per sistemi trifase in isola con pico
<b>Deye</b>	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.		



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## 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 corrispondenti 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

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