

BYD BATTERY-BOX LV FLEX MINIMUM CONFIGURATION LIST – V1.6

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase			Minimum Configuration for Three Phase		
		On Grid	On Grid with Full Backup Power	Off Grid Inrush Use	On Grid	On Grid with Full Backup Power	Off Grid Inrush Use
SMA	SI 4.4M	≥1	≥2	≥2	≥4	≥6	≥6
	SI 6.0H	≥2	≥3	≥3	≥5	≥9	≥9
	SI 8.0H	≥2	≥4	≥4	≥6	≥12	≥12
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ V1.3.1.R.						
Victron	MultiPlus 48/500/6	≥1	≥1	≥1	≥1	≥1	≥1
	MultiPlus 48/800/9	≥1	≥1	≥1	≥1	≥1	≥1
	MultiPlus 48/1200/13	≥1	≥1	≥1	≥1	≥2	≥2
	MultiPlus 48/1600/20	≥1	≥1	≥1	≥1	≥2	≥2
	MultiPlus 48/2000/25	≥1	≥1	≥1	≥1	≥3	≥3
	MultiPlus 48/2000/25-50 120V*	≥1	≥1	≥1	≥1	≥3	≥3
	Multiplus 48/3000/35	≥1	≥2	≥2	≥1	≥4	≥4
	Multiplus 48/5000/70	≥1	≥3	≥3	≥2	≥6	≥6
	Multiplus II (GX) 48/3000/35-32	≥1	≥2	≥2	≥1	≥4	≥4
	Multiplus II (GX) 48/5000/70-50	≥1	≥2	≥2	≥2	≥6	≥6
	Multiplus II 120V 48/3000/35-50	≥1	≥2	≥2	≥1	≥4	≥4
	Multiplus II 48/8000/110-100	≥1	≥4	≥4	≥3	≥10	≥10
	Multiplus II 48/10000/140-100	≥1	≥4	≥4	≥3	≥12	≥12
	Quattro 48/3000/35-50/50 120V*	≥1	≥2	≥2	≥1	≥4	≥4
	Quattro 48/5000/70-100/100 120V*	≥1	≥3	≥3	≥2	≥6	≥6
	Quattro 48/10000/140- 100/100 120V*	≥1	≥5	≥5	≥3	≥13	≥13
	Quattro 48/5000/70-100/100	≥1	≥3	≥3	≥2	≥7	≥7
	Quattro 48/8000/110-100/100	≥1	≥4	≥4	≥2	≥10	≥10
	Quattro 48/10000/140- 100/100	≥1	≥5	≥5	≥3	≥13	≥13
	Quattro 48/15000/200- 100/100	≥2	≥6	≥6	≥4	≥16	≥16
	Easysolar 48/5000/70-100 MPPT150/100	≥1	≥3	≥3	≥2	≥6	≥6
	Easysolar II 48/3000/35-32 MPPT250/70 GX	≥1	≥2	≥2	≥1	≥4	≥4
	Easysolar II 48/5000/70-50 MPPT250/100 GX	≥1	≥2	≥2	≥2	≥6	≥6
	Multi RS Solar 48/6000	≥1	≥3	≥3	/	/	/
	*. US version. Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ V2.52.						

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		On Grid	On Grid with Full Backup Power	Off Grid Inrush Use	On Grid	On Grid with Full Backup Power	Off Grid Inrush Use
Selectronic	SPMC480-AU	≥1	≥2	≥2	≥3	≥5	≥5
	SPMC481-AU	≥1	≥3	≥3	≥3	≥8	≥8
	SPMC482-AU	≥2	≥4	≥4	≥6	≥11	≥11
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Selectronic SP Link firmware ≥ 14.20.x, SP Pro firmware ≥ V12.x.						
Studer	XTS1400-48	≥1	≥1	≥1	≥1	≥2	≥2
	XTM2600-48	≥1	≥2	≥2	≥1	≥4	≥4
	XTM4000-48	≥1	≥3	≥3	≥2	≥7	≥7
	XTH6000-48	≥1	≥4	≥4	≥2	≥9	≥9
	XTH8000-48	≥2	≥5	≥5	≥3	≥13	≥13
	Next3	/	/	/	≥2	≥6	≥6
	VT-65	≥1	≥1	≥1	≥3	≥3	≥3
	VT-80	≥2	≥2	≥2	≥4	≥4	≥4
	VS-70	≥1	≥1	≥1	≥3	≥3	≥3
	VS-120	≥2	≥2	≥2	≥6	≥6	≥6
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware (except Next 3) ≥ R664, inverter firmware (Next 3) ≥ 0.5.0.0.						
GoodWe	GW3648D-ES	≥2	≥3	≥3	/	/	/
	GW5048D-ES	≥2	≥2	≥2	/	/	/
	GW3048-EM	≥1	≥1	≥1	/	/	/
	GW3648-EM	≥1	≥1	≥1	/	/	/
	GW5048-EM	≥1	≥1	≥1	/	/	/
	GW3600S-BP	≥2	≥2	≥2	/	/	/
	GW5000S-BP	≥2	≥2	≥2	/	/	/
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ V11.						
Hoymiles	HAS-3.0LV-EUG1	≥1	≥1	≥1	/	/	/
	HAS-(3.6/ 4.6/ 5.0)LV-EUG1/ HYS-(3.0/ 3.6)LV-EUG1	≥1	≥2	≥2	/	/	/
	HYS-(4.6/ 5.0/ 6.0)LV-EUG1	≥1	≥3	≥3	/	/	/
	Battery firmware: BMU ≥ V1.24, BMS ≥ V1.14; Inverter firmware ≥ 0.2.22.						
Sosen	SSE-HL3K-P1EU	≥1	≥2	≥2	/	/	/
	SSE-HL3K6/4K-P1EU	≥2	≥2	≥2	/	/	/
	SSE-HL4K6/5K/6K-P1EU	≥2	≥3	≥3	/	/	/
	SSE-HL7K/8K-P1EU	≥3	≥4	≥4	/	/	/
	Battery firmware: BMU ≥ V1.29, BMS ≥ V1.14; Inverter firmware ≥ 1.28.						

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Deye	SUN-3.6K-SG01/03LP1-EU	≥1	≥2	≥2	≥1	≥5	≥5
	SUN-5K-SG01/03LP1-EU	≥1	≥3	≥3	≥1	≥6	≥6
	SUN-6K-SG01/03LP1-EU	≥1	≥3	≥3	≥1	≥7	≥7
	SUN-7.6K-SG01LP1-EU	≥1	≥4	≥4	≥1	≥9	≥9
	SUN-8K-SG01LP1-EU	≥1	≥4	≥4	≥1	≥9	≥9
	SUN-12K-SG01LP1-EU	≥1	≥6	≥6	≥1	≥14	≥14
	SUN-14K-SG01LP1-EU	≥1	≥7	≥7	≥1	≥16	≥16
	SUN-16K-SG01LP1-EU	≥1	≥8	≥8	≥1	≥18	≥18
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ C351.						
	SUN-3K-SG04LP1-EU	≥1	≥2	≥2	≥1	≥4	≥4
	SUN-3.6K-SG04LP1-EU	≥1	≥2	≥2	≥1	≥5	≥5
	SUN-5K-SG04LP1-EU	≥1	≥3	≥3	≥1	≥6	≥6
	SUN-6K-SG04LP1-EU	≥1	≥3	≥3	≥1	≥7	≥7
	SUN-3.6K-SG05LP1-EU	≥1	≥2	≥2	≥1	≥5	≥5
	SUN-5K-SG05LP1-EU	≥1	≥3	≥3	≥1	≥6	≥6
	SUN-6K-SG05LP1-EU	≥1	≥3	≥3	≥1	≥7	≥7
	SUN-7.6K-SG05LP1-EU	≥1	≥4	≥4	≥1	≥9	≥9
	SUN-8K-SG05LP1-EU	≥1	≥4	≥4	≥1	≥9	≥9
	SUN-5K-SG04LP3-EU	/	/	/	≥1	≥2	≥2
	SUN-6K-SG04LP3-EU	/	/	/	≥1	≥3	≥3
	SUN-10K-SG04LP3-EU	/	/	/	≥1	≥4	≥4
	SUN-12K-SG04LP3-EU	/	/	/	≥1	≥5	≥5
	Battery firmware: BMU ≥ V1.22, BMS ≥ V1.13; Inverter firmware ≥ 1001-C015.						

Note:

1. Max. 64 modules can be connected in parallel.
2. Inrush Power: Each Inverter has their Inrush power for off grid applications, please make sure to consult with inverter brands for the right value of correspondences;
On-grid with full backup power equals to off-grid inrush power use.
3. Configurations marked in gray are not released yet and are not allowed to be installed yet. Those configurations are planned and subject to change.

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