



BYD Battery-Box LV5.0 TECHNICAL INFORMATION

minimum configuration list



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Compatible Inverter (1- / 3-phase)	Minimum Configuration for Single Phase			Minimum Configuration for Three Phase			
	On Grid	On Grid with Backup	Off Grid Inrush Use	On Grid	On Grid with Backup	Off Grid Inrush Use	
Solis	S6-EH1P3K-L-EU	≥1	≥1	≥1	-	-	-
	S6-EH1P3.6K-L-EU	≥1	≥1	≥1	-	-	-
	S6-EH1P4.6K-L-EU	≥1	≥2	≥2	-	-	-
	S6-EH1P5K-L-EU	≥1	≥2	≥2	-	-	-
	S6-EH1P6K-L-EU	≥1	≥2	≥2	-	-	-
	S6-EH1P3K-L-PRO	≥1	≥1	≥1	-	-	-
	S6-EH1P3.6K-L-PRO	≥1	≥1	≥1	-	-	-
	S6-EH1P5K-L-PRO	≥1	≥2	≥2	-	-	-
	S6-EH1P6K-L-PRO	≥1	≥2	≥2	-	-	-
	S6-EH1P8K-L-PRO	≥1	≥3	≥3	-	-	-
	S6-EH1P3K-L-PLUS	≥1	≥1	≥1	-	-	-
	S6-EH1P3.6K-L-PLUS	≥1	≥1	≥1	-	-	-
	S6-EH1P5K-L-PLUS	≥1	≥2	≥2	-	-	-
	S6-EH1P6K-L-PLUS	≥1	≥2	≥2	-	-	-
	S6-EH1P8K-L-PLUS	≥1	≥3	≥3	-	-	-
	S6-EH1P12K-L	≥1	≥4	≥4	-	-	-
	S6-EH1P14K-L	≥1	≥4	≥4	-	-	-
	S6-EH1P16K-L	≥1	≥5	≥5	-	-	-
	S6-EH3P8K-L	-	-	-	≥1	≥3	≥3
	S6-EH3P10K-L	-	-	-	≥1	≥4	≥4
	S6-EH3P12K-L	-	-	-	≥1	≥4	≥4
	S6-EH3P15K-L	-	-	-	≥1	≥5	≥5
	S5-EA1P3K-L	≥1	≥1	≥1	-	-	-
	S6-EA1P3.6K-L	≥1	≥1	≥1	-	-	-
	S6-EA1P4.6K-L	≥1	≥2	≥2	-	-	-
	S6-EA1P5K-L	≥1	≥2	≥2	-	-	-
	S6-EA1P6K-L	≥1	≥2	≥2	-	-	-
	S5-EO1P4K-48	-	-	≥2	-	-	-
	S5-EO1P4K-48-P	-	-	≥2	-	-	-

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase			Minimum Configuration for Three Phase		
		On Grid	On Grid with Backup	Off Grid Inrush Use	On Grid	On Grid with Backup	Off Grid Inrush Use
Solis	S5-E01P5K-48	-	-	≥2	-	-	-
	S5-E01P5K-48-P	-	-	≥2	-	-	-
	S6-E01P4K-48	-	-	≥2	-	-	-
	S6-E01P5K-48	-	-	≥2	-	-	-
	Battery firmware: BMS ≥V1.88; Inverter firmware ≥V06-10						
Deye	SUN-5KSG04LP3-EU	-	-	-	≥1	≥2	≥2
	SUN-6KSG04LP3-EU	-	-	-	≥1	≥2	≥2
	SUN-8KSG04LP3-EU	-	-	-	≥1	≥3	≥3
	SUN-10KSG04LP3-EU	-	-	-	≥1	≥4	≥4
	SUN-12KSG04LP3-EU	-	-	-	≥1	≥4	≥4
	SUN-7.6K-SG01LP1-EU	≥1	≥3	≥3	-	-	-
	SUN-8K-SG01LP1-EU	≥1	≥3	≥3	-	-	-
	SUN-12K-SG01LP1-EU	≥1	≥4	≥4	-	-	-
	SUN-14K-SG01LP1-EU	≥1	≥4	≥4	-	-	-
	SUN-16K-SG01LP1-EU	≥1	≥5	≥5	-	-	-
	SUN-3.6K-SG03LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-5K-SG03LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-6K-SG03LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-3K-SG04LP1-EU	≥1	≥1	≥1	-	-	-
	SUN-3.6K-SG04LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-5K-SG04LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-6K-SG04LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-3.6K-SG05LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-5K-SG05LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-6K-SG05LP1-EU	≥1	≥2	≥2	-	-	-
	SUN-7K-SG05LP1-EU	≥1	≥3	≥3	-	-	-
	SUN-7.6K-SG05LP1-EU	≥1	≥3	≥3	-	-	-
SUN-8K-SG05LP1-EU	≥1	≥3	≥3	-	-	-	
Battery firmware: BMS ≥V1.88; Inverter firmware ≥1001-C040. Note: Please open the function: "BMS Stop" .							

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase			Minimum Configuration for Three Phase		
		On Grid	On Grid with Backup	Off Grid Inrush Use	On Grid	On Grid with Backup	Off Grid Inrush Use
Megarevo	R3KL1-G2	≥1	≥1	≥1	-	-	-
	R3K6L1-G2	≥1	≥2	≥2	-	-	-
	R4KL1-G2	≥1	≥2	≥2	-	-	-
	R4K6L1-G2	≥1	≥2	≥2	-	-	-
	R5KL1-G2	≥1	≥2	≥2	-	-	-
	R6KL1-G2	≥1	≥2	≥2	-	-	-
	R8KL1-G2	≥1	≥3	≥3	-	-	-
	R3KL1D-G2	≥1	≥1	≥1	-	-	-
	R3K6L1D-G2	≥1	≥2	≥2	-	-	-
	R4KL1D-G2	≥1	≥2	≥2	-	-	-
	R4K6L1D-G2	≥1	≥2	≥2	-	-	-
	R5KL1D-G2	≥1	≥2	≥2	-	-	-
	R6KL1D-G2	≥1	≥2	≥2	-	-	-
	R8KL1D-G2	≥1	≥3	≥3	-	-	-
	Battery firmware: BMS ≥V1.88; Inverter firmware ≥ARM V2.04.15, DSP V2.05.11						
Victron	MultiPlus 48/3000/35	≥1	≥1	≥1	≥1	≥3	≥3
	MultiPlus 48/5000/70	≥1	≥2	≥2	≥1	≥5	≥5
	MultiPlus-II GX 48/3000/35-32	≥1	≥1	≥1	≥1	≥3	≥3
	MultiPlus-II GX 48/5000/70-50	≥1	≥2	≥2	≥1	≥5	≥5
	MultiPlus-II 230V 48/3000/35-32	≥1	≥1	≥1	≥1	≥3	≥3
	MultiPlus-II 230V 48/5000/70-50	≥1	≥2	≥2	≥1	≥5	≥5
	MultiPlus-II 230V 48/8000/110-100	≥1	≥3	≥3	≥1	≥7	≥7
	MultiPlus-II 230V 48/10000/140-100	≥1	≥3	≥3	≥1	≥9	≥9
	MultiPlus-II 230V48/15000/200-100	≥1	≥5	≥5	≥1	≥13	≥13
	Multi RS Solar 48/6000 Dual Tracker	≥1	≥2	≥2	≥1	≥5	≥5
	Quattro 48/5000/70-100/100	≥1	≥2	≥2	≥1	≥5	≥5
	Quattro 48/8000/110-100/100	≥1	≥3	≥3	≥1	≥7	≥7
	Quattro 48/10000/140-100/100	≥1	≥3	≥3	≥1	≥9	≥9
	Quattro 48/15000/200-100/100	≥1	≥5	≥5	≥1	≥13	≥13
	Quattro-II 48/5000/70-50	≥1	≥2	≥2	≥1	≥5	≥5
Battery firmware: BMS ≥V1.88; Inverter firmware ≥V3.20							

Compatible Inverter (1- / 3-phase)		Minimum Configuration for Single Phase			Minimum Configuration for Three Phase		
		On Grid	On Grid with Backup	Off Grid Inrush Use	On Grid	On Grid with Backup	Off Grid Inrush Use
SMA	SI 4.4M	≥1	≥2	≥2	-	-	-
	SI 6.0H	≥2	≥3	≥3	-	-	-
	SI 8.0H	≥2	≥4	≥4	-	-	-
	Battery firmware: BMS ≥V1.88; Inverter firmware ≥3.30.12 R						
Voltronic	Axpert MAX 8000	-	-	≥3	-	-	-
	Axpert MAX E-11K	-	-	≥4	-	-	-
	Axpert MAX E 11K TWIN	-	-	≥4	-	-	-
	MAX II 8K Duplex	-	-	≥3	-	-	-
	MAX II 11K Duplex	-	-	≥4	-	-	-
	VM II Elite 6KW	-	-	≥2	-	-	-
	VM III 6000 TWIN	-	-	≥2	-	-	-
	VM IV 6K TWIN	-	-	≥2	-	-	-
	VM IV 5.6K	-	-	≥2	-	-	-
	AXPERT KING II 6K	-	-	≥2	-	-	-
	AXPERT MKS III 6K TWIN	-	-	≥2	-	-	-
	AXPERT ULTRA 8K	-	-	≥3	-	-	-
	AXPERT ULTRA 11K	-	-	≥4	-	-	-
	InfiniSolar WP TWIN HMI 12KW	-	-	-	≥1	≥4	≥4
	InfiniSolar WP TWIN HMI 15KW	-	-	-	≥1	≥5	≥5
	Infinisolar WP 10KW	-	-	-	≥1	≥4	≥4
	Infinisolar WP 12KW	-	-	-	≥1	≥4	≥4
	Infinisolar WP 15KW	-	-	-	≥1	≥5	≥5
	InfiniSolar WP Elite 10KW	-	-	-	≥1	≥4	≥4
	InfiniSolar WP Elite 12KW	-	-	-	≥1	≥4	≥4
Battery firmware: BMS ≥V1.88; Inverter firmware ≥Master V3012 & Master V1012 & Master V223							

Note

1. Max.32 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.
3. In back-up and off-grid application scenarios, the number of battery packs we recommend is the minimum number to allow the inverter to operate at full load power.