

# BYD Battery-Box Premium LVL Minimum Configuration List

Version 1.0



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# Disclaimer

Information in this document is subject to change without notice. Every effort has been made to make this document complete, accurate, and up-to-date. However, BYD may need to make some improvements under certain circumstances without advance notice. Please take the latest version of this document at our websites into account.



# 1. Minimum Configuration List On Grid Single Phase

BYD Battery-Box Premium	Minimum Configuration for Single Phase (System Numbers)	Compatible Inverter Brand	Model
LVL 15.4	≥1	SMA	SI 4.4M
	≥1		SI 6.0H
	≥1		SI 8.0H
	≥1	Victron	Multiplus 48/3000/35
	≥1		Multiplus 48/5000/70
	≥1		Multigrid 48/3000/35
	≥1		Quattro 48/5000/70-100/100
	≥1		Quattro 48/8000/110-100/100
	≥1		Quattro 48/10000/140- 100/100
	≥1		Quattro 48/15000/200- 100/100
	≥1		Easysolar 48/3000/35-50 MPPT150/70
	≥1		Easysolar 48/5000/70-100 MPPT150/100
	≥1		Selectronic
	≥1	SPMC481-AU	
	≥1	SPMC482-AU	
	≥1	GoodWe	GW3648D-ES
	≥1		GW5048D-ES
	≥1		GW2500-BP
	≥1		GW3048-EM
	≥1		GW3648-EM
≥1	GW5048-EM		
≥1	GW3600S-BP		
≥1	GW5000S-BP		



## 2. Minimum Configuration List On Grid Single Phase With Full Power Back Up

BYD Battery-Box Premium	Minimum Configuration for Single Phase (System Numbers)	Compatible Inverter Brand	Model
LVL 15.4	≥1	SMA	SI 4.4M
	≥1		SI 6.0H
	≥1		SI 8.0H
	≥1	Victron	Multiplus 48/3000/35
	≥1		Multiplus 48/5000/70
	≥1		Multigrid 48/3000/35
	≥1		Quattro 48/5000/70-100/100
	≥1		Quattro 48/8000/110-100/100
	≥1		Quattro 48/10000/140- 100/100
	≥2		Quattro 48/15000/200- 100/100
	≥1		Easysolar 48/3000/35-50 MPPT150/70
	≥1	Easysolar 48/5000/70-100 MPPT150/100	
	≥1	Selectronic	SPMC480-AU
	≥1		SPMC481-AU
	≥1		SPMC482-AU
	≥1	GoodWe	GW3648D-ES
	≥1		GW5048D-ES
	≥1		GW3048-EM
≥1	GW3648-EM		

### 3. Minimum Configuration List Off Grid Single Phase

BYD Battery-Box Premium	Minimum Configuration for Single Phase (System Numbers)	Compatible Inverter Brand	Model
LVL 15.4	≥1	SMA	SI 4.4M
	≥1		SI 6.0H
	≥1		SI 8.0H
	≥1	Victron	Multiplus 48/3000/35
	≥1		Multiplus 48/5000/70
	≥1		Multigrid 48/3000/35
	≥1		Quattro 48/5000/70-100/100
	≥1		Quattro 48/8000/110-100/100
	≥1		Quattro 48/10000/140- 100/100
	≥2		Quattro 48/15000/200- 100/100
	≥1		Easysolar 48/3000/35-50 MPPT150/70
	≥1		Easysolar 48/5000/70-100 MPPT150/100
	≥1		Selectronic
	≥1	SPMC481-AU	
	≥1	SPMC482-AU	
	≥1	GoodWe	GW3648D-ES
	≥1		GW5048D-ES
	≥1		GW3048-EM
≥1	GW3648-EM		



#### 4. Minimum Configuration List On Grid Three Phase

BYD Battery-Box Premium	Minimum Configuration for Typical Use (System Numbers)	Minimum Configuration for Inrush Power Use (System Numbers)	Compatible Inverter Brand	Model	Remarks for Inrush Power
LVL 15.4	≥1	≥2	SMA	SI 4.4M	5.5kw 3 seconds
	≥2	≥3		SI 6.0H	11kw 3 seconds
	≥2	≥3		SI 8.0H	
	≥1	≥2	Victron	Multiplus 48/3000/35	6kw 5 seconds
	≥2	≥2		Multiplus 48/5000/70	10kw 5 seconds
	≥1	≥2		Multigrid 48/3000/35	6kw 5 seconds
	≥2	≥2		Quattro 48/5000/70-100/100	10kw 5 seconds
	≥2	≥3		Quattro 48/8000/110-100/100	16kw 5 seconds
	≥3	≥4		Quattro 48/10000/140- 100/100	20kw 5 seconds
	≥4	≥6		Quattro 48/15000/200- 100/100	25kw 5 seconds
	≥1	≥1		Easysolar 48/3000/35-50 MPPT150/70	6kw 5 seconds
	≥2	≥2		Easysolar 48/5000/70-100 MPPT150/100	10kw 5 seconds
	≥1	≥2		Selectronic	SPMC480-AU
	≥1	≥2	SPMC481-AU		12kw 30 seconds
	≥2	≥3	SPMC482-AU		18kw 30 seconds

## 5. Minimum Configuration List On Grid Three Phase with Full Back Up Power

BYD Battery-Box Premium	Minimum Configuration for Three Phase (System Numbers)	Compatible Inverter Brand	Model
LVL15.4	$\geq 2$	SMA	SI 4.4M
	$\geq 3$		SI 6.0H
	$\geq 3$		SI 8.0H
	$\geq 2$	Victron	Multiplus 48/3000/35
	$\geq 2$		Multiplus 48/5000/70
	$\geq 2$		Multigrid 48/3000/35
	$\geq 2$		Quattro 48/5000/70-100/100
	$\geq 3$		Quattro 48/8000/110-100/100
	$\geq 4$		Quattro 48/10000/140- 100/100
	$\geq 6$		Quattro 48/15000/200- 100/100
	$\geq 1$		Easysolar 48/3000/35-50 MPPT150/70
	$\geq 2$		Easysolar 48/5000/70-100 MPPT150/100
	$\geq 2$		Selectronic
	$\geq 2$	SPMC481-AU	
	$\geq 3$	SPMC482-AU	

## 6. Minimum Configuration List Off Grid Three Phase

BYD Battery-Box Premium	Minimum Configuration for Typical Use (System Numbers)	Minimum Configuration for Inrush Power Use (System Numbers)	Compatible Inverter Brand	Model	Remarks for Inrush Power
LVL15.4	$\geq 1$	$\geq 2$	SMA	SI 4.4M	5.5kw 3 seconds
	$\geq 2$	$\geq 3$		SI 6.0H	11kw 3 seconds
	$\geq 2$	$\geq 3$		SI 8.0H	
	$\geq 1$	$\geq 2$	Victron	Multiplus 48/3000/35	6kw 5 seconds
	$\geq 2$	$\geq 2$		Multiplus 48/5000/70	10kw 5 seconds
	$\geq 1$	$\geq 2$		Multigrid 48/3000/35	6kw 5 seconds
	$\geq 2$	$\geq 2$		Quattro 48/5000/70-100/100	10kw 5 seconds
	$\geq 2$	$\geq 3$		Quattro 48/8000/110-100/100	16kw 5 seconds
	$\geq 3$	$\geq 4$		Quattro 48/10000/140- 100/100	20kw 5 seconds
	$\geq 4$	$\geq 6$		Quattro 48/15000/200- 100/100	25kw 5 seconds
	$\geq 1$	$\geq 1$		Easysolar 48/3000/35-50 MPPT150/70	6kw 5 seconds
	$\geq 2$	$\geq 2$		Easysolar 48/5000/70-100 MPPT150/100	10kw 5 seconds
	$\geq 1$	$\geq 2$		Selectronic	SPMC480-AU
	$\geq 1$	$\geq 2$	SPMC481-AU		12kw 30 seconds
	$\geq 2$	$\geq 3$	SPMC482-AU		18kw 30 seconds

### Notice:

1. Different inverters have different inrush power for off-grid applications. Please make sure to consult with inverter manufacturers or distributors for the corresponding value.
2. Up to 64 systems could be connected in parallel.
3. The BMU firmware of the system should be no less than V1.4, and the BMS firmware should be no less than V1.3.





## Contact Information

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