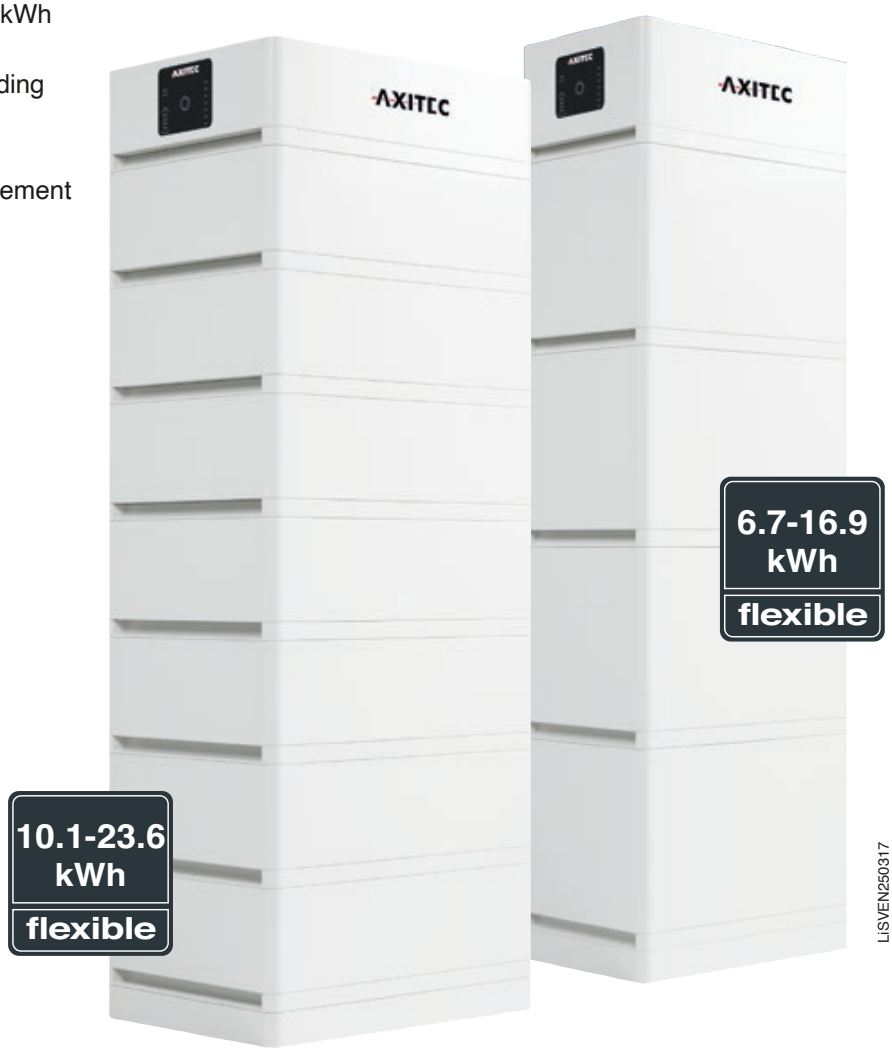
AXIstorage Li SV1 10.1 - 23.6 kWh
AXIstorage Li SV2 6.7 - 16.9 kWh

High-Performance Lithium Iron Phosphate Energy Storage for residential, e-mobility and commercial applications

Advantages:

- Compatible with over 100 inverters
- Li SV1: 10.1 - 23.6 kWh useable capacity with Energypacks each 3.37 kWh
- Li SV2: 6.7 - 16.9 kWh useable capacity with Energypacks each 3.37 kWh
- Flexible configuration by building principle
- 10 years of time value replacement warranty
- High quality safety standards



AXITEC

AXIstorage Li SV1

Electrical Data

Useable Capacity	10.1 kWh	13.5 kWh	16.9 kWh	20.2 kWh	23.6 kWh
Number of Energypacks	3	4	5	6	7
Nominal Voltage	144 V	192 V	240 V	288 V	336 V
Nominal Capacity	74 Ah				
Maximum Continuous Charging Current	37 A				
Maximum Continuous Discharge Current	37 A				
Efficiency	up to 96 %				
Cooling	passive				
Range of Temperature	0 - 50 °C				
Max. Air Humidity (not condensing)	95 %				

Delivery

- Battery management system (BMS) with all cables and screws up to the maximum expansion level

Notice

- Energy packs with 3.37 kWh each must be ordered separately

Structure and Mechanical Data

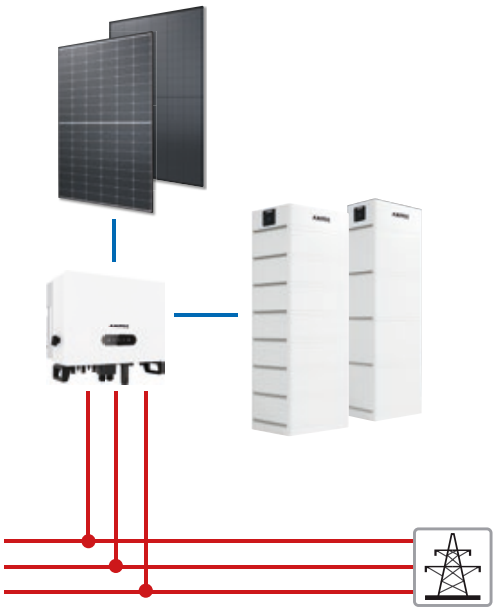
Number of Energypacks	3	4	5	6	7
Technology	Lithium Iron Phosphate (LFP)				
W x H x D (mm)	600 x 700 x 380	600 x 870 x 380	600 x 1040 x 380	600 x 1210 x 380	600 x 1380 x 380
Weight	122 kg	158 kg	194 kg	230 kg	266 kg
Protection Category	IP55				
Certifications / and Standards	VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE, UN38.3				

AXIstorage Li SV2

Electrical Data

Useable Capacity	6.7 kWh	10.1 kWh	13.5 kWh	16.9 kWh
				only AY10786
Number of Energypacks	2	3	4	5
Nominal Voltage	192 V	288 V	384 V	480 V
Nominal Capacity	37 Ah			
Maximum Continuous Charging Current	18.5 A			
Maximum Continuous Discharge Current	18.5 A			
Efficiency	up to 96 %			
Cooling	passive			
Range of Temperature	0 - 50 °C			
Max. Air Humidity (not condensing)	95 %			

Three-Phase Connection with Hybrid Inverter AXIhycon



Structure and Mechanical Data

Number of Energypacks	2	3	4	5
Technology	Lithium Iron Phosphate (LFP)			
W x H x D (mm)	450 x 822 x 296	450 x 1118 x 296	450 x 1414 x 296	450 x 1710 x 296
Weight	82 kg	117 kg	152 kg	187 kg
Protection Category	IP55			
Certifications / and Standards	VDE2510-50, IEC62619, IEC62477-1, IEC62040-1, CEC, CE, UN38.3			

Technical data are subject to change without prior notice, errors excepted. The measurement tolerances are +/-3%. Please be aware: All technical data provided in our data sheets are property of Axitec Energy GmbH & Co. KG and intended for information purposes for our customers only. We cannot accept any guarantee of completeness or accuracy. These data are prohibited for any kind of commercial use.

Compatible Systems

Manufacturer	Type/Series	Config.	Comm.	Min. Firmware
AXITEC	AXIhycon 5H/6H/8H/10H/ 12H/15H/20H/29.9H/40H/50H	A	CAN	
Sofar	HYD 5-20KTL-3PH	B	CAN	FW: D0110036, DSP: V010027
Kostal*	PLENTICORE Plus	A	RS485	UI01.27.9932
	PLENTICORE Plus G2	A	RS485	SW02.08.09996
	PLENTICORE G3	A	RS485	
	PLENTICORE BI xx/26	A	RS485	
	PLENTICORE BI xx/26 G2	A	RS485	
Sungrow	SH5.0/6.0/8.0/10RT	B	CAN	SAPPHIRE-H_V11_V01_A
GoodWe	EH series	C	CAN	V14
	BH series	C	CAN	
	ET series (GW5-10K)	B	CAN	
	BT series	B	CAN	
Solis	RHI-3P (5-10) K-HVES-5G	B	CAN	4002E
KACO*	blueplanet hybrid 8.0 – 12.0 NH3 M3	A	CAN	
SMA*	Sunny Boy Storage 3.7-6.0 -10	A	CAN+ RS232	04.04.03.R
Solinteg	MHT-25-50K-100	B	CAN	ARM: V01(08)
Deye	SUN-6-20K-SG01HP3-EU	B	CAN	2001-X018
	SUN-25-50K-SG01HP3-EU	B	CAN	
Sunways	STH-4-12KTL-HT series	B	CAN	ARM: V0054
	STH-3-8KTL-HS series	C	CAN	
Ingeteam	ISS 1 Play 3TL / 6TL	F	CAN	ABH1002AA, ABH1003_Q(disp)
	ISS 1 Play 3TL M / 6TL M	C	CAN	ABH1007_A, ABH1003_Q(disp)
Sermatec	SMT-10K	E	CAN	
Delios	DLX HV series	D	CAN	V3.00
Eaton	xStorage Home 3P series	D	CAN	V3.00
Solarmax	ES-T series	D	CAN	V3.00
Luxpower	Hybrid HB series (HV)	C	CAN	
Hypontech	HHS-3680/5000/6000	C	CAN	Ver.23
	HBS-3680/5000/6000	C	CAN	

*only with BMS AY10785 or AY10786 compatible

Possible Configurations (Number of Battery Modules)

A		B		C		D		E		F	
SV1	SV2	SV1	SV2	SV1	SV2	SV1	SV2	SV1	SV2	SV1	SV2
3-7	2-5	4-7	2-5	3-7	2-4	4-7	2-4	5-7	3-5	3-7	2-3
											

Subject to changes by the inverter manufacturer.
The technical layout of the battery storage system is the responsibility of the installing contractor.

max. charge / discharge power (kW)

		SV1					SV2			
	EP	3	4	5	6	7	2	3	4	5
	kWh	10.1	13.5	16.9	20.2	23.6	6.7	10.1	13.5	16.9
AXITEC	AXIhycon 5H	3.6	4.8	5.0	5.0	5.0	3.6	5.0	5.0	5.0
	AXIhycon 6H	3.6	4.8	6.0	6.0	6.0	3.6	5.3	6.0	6.0
	AXIhycon 8H	5.3	7.1	8.0	8.0	8.0	3.6	5.3	7.1	8.0
	AXIhycon 10H	5.3	7.1	8.9	10.0	10.0	3.6	5.3	7.1	8.9
	AXIhycon 12H	5.3	7.1	8.9	10.7	12.4	3.6	5.3	7.1	8.9
	AXIhycon 15H	5.3	7.1	8.9	10.7	12.4	3.6	5.3	7.1	8.9
	AXIhycon 20H	5.3	7.1	8.9	10.7	12.4	3.6	5.3	7.1	8.9
	AXIhycon 29.9H	5.3	7.1	8.9	10.7	12.4	3.6	5.3	7.1	8.9
	AXIhycon 29.9H	5.3	7.1	8.9	10.7	12.4	3.6	5.3	7.1	8.9
	AXIhycon 29.9H	5.3	7.1	8.9	10.7	12.4	3.6	5.3	7.1	8.9
Kostal	PLENTICORE Plus 3.0	1.8	2.5	3.0	3.0	3.0	2.5	3.0	3.0	3.0
	PLENTICORE Plus 4.2	1.8	2.5	3.1	3.7	4.2	2.5	3.7	4.2	4.2
	PLENTICORE Plus 5.5	1.8	2.5	3.1	3.7	4.3	2.5	3.7	5.0	5.5
	PLENTICORE Plus 7.0	1.8	2.5	3.1	3.7	4.3	2.5	3.7	5.0	6.2
	PLENTICORE Plus 8.5	1.8	2.5	3.1	3.7	4.3	2.5	3.7	5.0	6.2
	PLENTICORE Plus 10	1.8	2.5	3.1	3.7	4.3	2.5	3.7	5.0	6.2
	PLENTICORE G3 S 4.0	2.4	3.3	4.0	4.0	4.0	3.3	4.0	4.0	4.0
	PLENTICORE G3 S 5.5	2.4	3.3	4.1	4.9	5.5	3.3	4.9	5.5	5.5
	PLENTICORE G3 S 7.0	2.4	3.3	4.1	4.9	5.7	3.3	4.9	6.5	7.0
	PLENTICORE G3 M 8.5	4.3	5.8	7.2	8.5	8.5	3.6	5.3	7.1	8.5
	PLENTICORE G3 M 10.0	4.3	5.8	7.2	8.6	10.0	3.6	5.3	7.1	8.8
	PLENTICORE G3 M 12.5	4.3	5.8	7.2	8.6	10.1	3.6	5.3	7.1	8.8
	PLENTICORE G3 L 15.0	4.3	5.8	7.2	8.6	10.1	3.6	5.3	7.1	8.8
	PLENTICORE G3 L 17.5	4.3	5.8	7.2	8.6	10.1	3.6	5.3	7.1	8.8
	PLENTICORE G3 L 20.0	4.3	5.8	7.2	8.6	10.1	3.6	5.3	7.1	8.8

AXITEC

		SV1					SV2			
	EP	3	4	5	6	7	2	3	4	5
	kWh	10,1	13,5	16,9	20,2	23,6	6,7	10,1	13,5	16,9
GoodWe	GW3600-EH	**3.6**	**3.6**	**3.6**	**3.6**	**3.6**	**3.5**	**3.6**	**3.6**	-
	GW5000-EH	**3.6**	**4.8**	**5.0**	**5.0**	**5.0**	**3.5**	**5.0**	**5.0**	-
	GW6000-EH	**3.6**	**4.8**	**6.0**	**6.0**	**6.0**	**3.5**	**5.3**	**6.0**	-
	GW5K-ET	-	**4.8**	**5.0**	**5.0**	**5.0**	**3.5**	**5.0**	**5.0**	**5.0**
	GW6.5K-ET	-	**4.8**	**6.0**	**6.5**	**6.5**	**3.5**	**5.3**	**6.5**	**6.5**
	GW8K-ET	-	**4.8**	**6.0**	**7.2**	**8.0**	**3.5**	**5.3**	**7.1**	**8.0**
	GW10K-ET	-	**4.8**	**6.0**	**7.2**	**8.4**	**3.5**	**5.3**	**7.1**	**8.8**
Sungrow	SH5.0RT	-	**5.0**	**5.0**	**5.0**	**5.0**	**3.5**	**5.0**	**5.0**	**5.0**
	SH6.0RT	-	**5.7**	**6.0**	**6.0**	**6.0**	**3.5**	**5.3**	**6.0**	**6.0**
	SH8.0RT	-	**5.7**	**7.2**	**8.0**	**8.0**	**3.5**	**5.3**	**7.1**	**8.0**
	SH10RT	-	**5.7**	**7.2**	**8.6**	**10.0**	**3.5**	**5.3**	**7.1**	**8.8**
Sofar Solar	HYD 5KTL-3PH	-	**4.8**	**5.0**	**5.0**	**5.0**	**3.5**	**5.0**	**5.0**	**5.0**
	HYD 6KTL-3PH	-	**4.8**	**6.0**	**6.0**	**6.0**	**3.5**	**5.3**	**6.0**	**6.0**
	HYD 8KTL-3PH	-	**4.8**	**6.0**	**7.2**	**8.0**	**3.5**	**5.3**	**7.1**	**8.0**
	HYD 10KTL-3PH	-	**7.1**	**8.8**	**10.0**	**10.0**	**3.5**	**5.3**	**7.1**	**8.8**
	HYD 15KTL-3PH	-	**7.1**	**8.8**	**10.6**	**12.4**	**3.5**	**5.3**	**7.1**	**8.8**
	HYD 20KTL-3PH	-	**7.1**	**8.8**	**10.6**	**12.4**	**3.5**	**5.3**	**7.1**	**8.8**