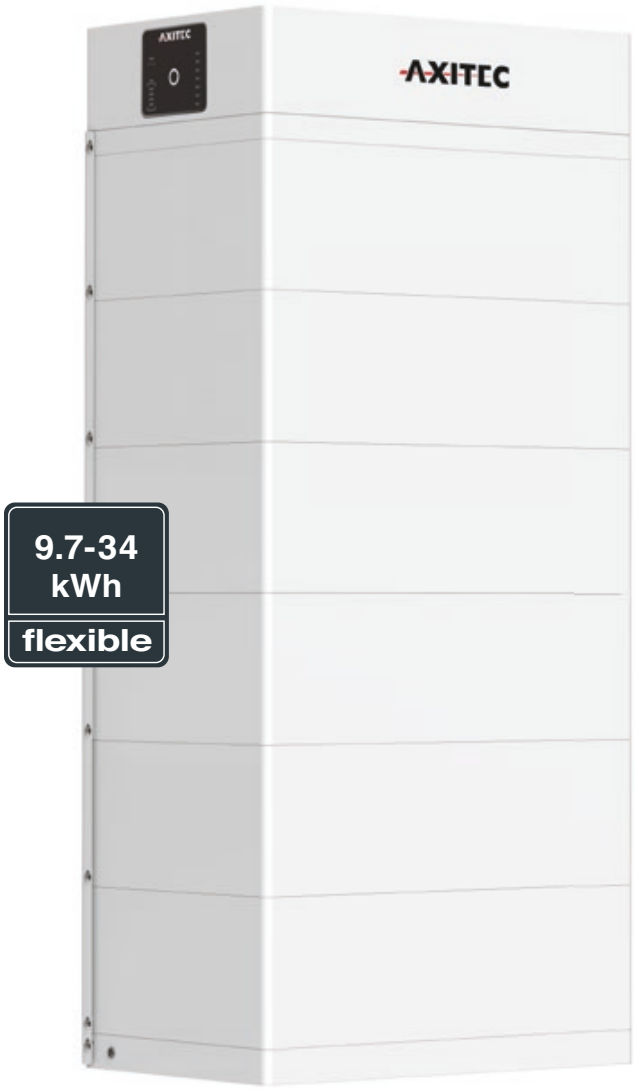
AXIstorage Li SV3 9.7 - 34 kWh

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

Advantages:

- Compatible with over 100 inverters
- 9.7- 34 kWh useable capacity with Energypacks each 4.86 kWh
- Flexible configuration by building principle
- 10 years of time value replacement warranty
- High quality safety standards



LiSV3EN250930

AXIstorage Li SV3

Electrical Data

Useable Capacity	9.7 kWh	14.6 kWh	19.4 kWh	24.3 kWh	29.1 kWh	34 kWh
Number of Energypacks	2	3	4	5	6	7
Nominal Voltage	204.8 V	307.2 V	409.6 V	512 V	614.4 V	716.8 V
Nominal Capacity	50 Ah					
Maximum Continuous Charging Current	50 A					
Maximum Continuous Discharge Current	50 A					
Efficiency	up to 96 %					
Cooling	fanless					
Range of Temperature	- 10 - 50 °C					
Max. Air Humidity (not condensing)	5 - 95 %					

Structure and Mechanical Data

Number of Energypacks	2	3	4	5	6	7
Technology	Lithium Iron Phosphate (LFP)					
W x H x D (mm)	540 x 350 x 530	540 x 350 x 700	540 x 350 x 870	540 x 350 x 1040	540 x 350 x 1210	540 x 350 x 1380
Weight	92 kg	131 kg	170 kg	209 kg	248 kg	287 kg
Protection Category	IP55/1					
Certifications / Standards	UL1973, EC62619, IEC63056, VDE-AR-E 2510-50UL9540A, CE RED, CE LVD					

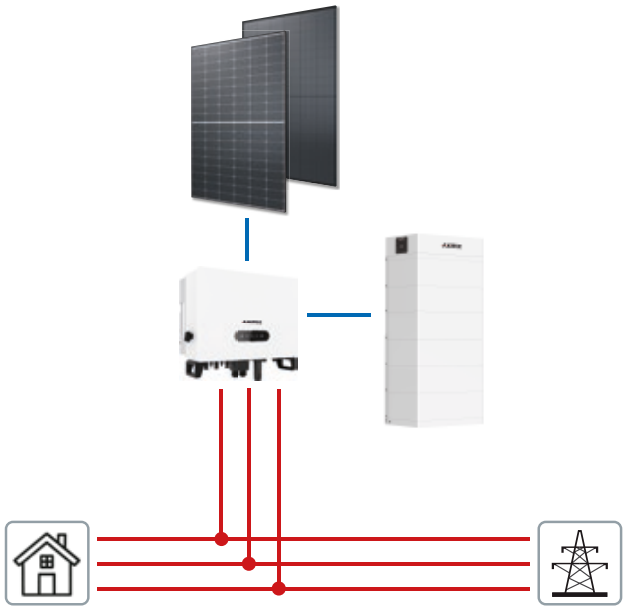
Delivery

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

Notice

- Energy packs with 4.86 kWh each must be ordered separately

Three-Phase Connection with Hybrid Inverter AXIhycon



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	C	CAN	
	AXIhycon 12H/15H/20H	B		
	AXIhycon 29.9H/40H/50H	A		
Sofar	HYD 10-20KTL-3PH	B	CAN	FW: D0110036, DSP: V010027
Kostal	PLENTICORE Plus	C	RS485	UI01.27.9932
	PLENTICORE Plus G2	C	RS485	SW02.08.09996
	PLENTICORE G3	A	RS485	
	PLENTICORE BI xx/26	C	RS485	
	PLENTICORE BI xx/26 G2	C	RS485	
Sungrow	SH5.0/6.0/8.0/10RT	C	CAN	SAPPHIRE-H_V11_V01_A
GoodWe	EH series	D	CAN	V14
	BH series	D	CAN	
	ET series (GW5-10K)	C	CAN	
	ET series (GW15-50K)	G	CAN	
	BT series	C	CAN	
Solis	RHI-3P (5-10) K-HVES-5G	C	CAN	4002E
KACO	blueplanet hybrid 8.0 – 12.0 NH3 M3	C	CAN	
SMA	Sunny Boy Smart Energy 3.6 - 6.0	D	CAN	≥ 3.12.15.R
Solinteg	MHT-25-50K-100	B	CAN	ARM: V01(08)
Deye	SUN-6-25K-SG01HP3-EU	B	CAN	2001-X018
	SUN-29.9-50K-SG01HP3-EU	B	CAN	
Sunways	STH-4-12KTL-HT series	B	CAN	ARM: V0054
	STH-3-8KTL-HS series	D	CAN	
Ingeteam	ISS 1 Play 3TL / 6TL	F	CAN	ABH1002AA, ABH1003_Q(disp)
	ISS 1 Play 3TL M / 6TL M	E	CAN	ABH1007_A, ABH1003_Q(disp)
Sermatec	SMT-10K	B	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)	F	CAN	
Hypontech	HHS-3680/5000/6000	D	CAN	Ver.23
	HBS-3680/5000/6000	D	CAN	

Possible Configurations (Number of Battery Modules)

A	B	C	D	E	F	G
SV3	SV3	SV3	SV3	SV3	SV3	SV3
2-7	2-6	2-5	2-4	2-3	2-2	3-6
						

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)

		SV3					
	EP	2	3	4	5	6	7
	kWh	9,7	14,6	19,4	24,3	29,1	34
AXITEC	AXIhycon 5H	5,0	5,0	5,0	5,0	-	-
	AXIhycon 6H	5,1	6,0	6,0	6,0	-	-
	AXIhycon 8H	8,0	8,0	8,0	8,0	-	-
	AXIhycon 10H	10,0	10,0	10,0	10,0	-	-
	AXIhycon 12H	10,2	12,0	12,0	12,0	12,0	-
	AXIhycon 15H	10,2	15,0	15,0	15,0	15,0	-
	AXIhycon 20H	10,2	15,4	20,0	20,0	20,0	-
	AXIhycon 29.9H	10,2	15,4	20,5	25,6	29,9	29,9
	AXIhycon 40H	10,2	15,4	20,5	25,6	30,7	35,8
	AXIhycon 50H	10,2	15,4	20,5	25,6	30,7	35,8
Kostal	PLENTICORE Plus 3.0	2,7	3,0	3,0	3,0	-	-
	PLENTICORE Plus 4.2	2,7	4,0	4,2	4,2	-	-
	PLENTICORE Plus 5.5	2,7	4,0	5,3	5,5	-	-
	PLENTICORE Plus 7.0	2,7	4,0	5,3	6,7	-	-
	PLENTICORE Plus 8.5	2,7	4,0	5,3	6,7	-	-
	PLENTICORE Plus 10	2,7	4,0	5,3	6,7	-	-
	PLENTICORE G3 S 4.0	3,5	4,0	4,0	4,0	4,0	4,0
	PLENTICORE G3 S 5.5	3,5	5,2	5,5	4,0	4,0	4,0
	PLENTICORE G3 S 7.0	3,5	5,2	7,0	7,0	7,0	7,0
	PLENTICORE G3 M 8.5	6,1	8,5	8,5	8,5	8,5	8,5
	PLENTICORE G3 M 10.0	6,1	9,2	10,0	10,0	10,0	10,0
	PLENTICORE G3 M 12.5	6,1	9,2	12,3	12,5	12,5	12,5
	PLENTICORE G3 L 15.0	6,1	9,2	12,3	15,0	15,0	15,0
	PLENTICORE G3 L 17.5	6,1	9,2	12,3	15,4	15,4	15,4
	PLENTICORE G3 L 20.0	6,1	9,2	12,3	15,4	18,4	20,0

		SV3					
	EP	2	3	4	5	6	7
	kWh	9,7	14,6	19,4	24,3	29,1	34
GoodWe	GW3600-EH	3,6	3,6	-	-	-	-
	GW5000-EH	5,0	5,0	-	-	-	-
	GW6000-EH	5,1	6,0	-	-	-	-
	GW5K-ET	5,0	5,0	5,0	5,0	-	-
	GW6.5K-ET	5,1	6,5	6,5	6,5	-	-
	GW8K-ET	5,1	7,7	8,0	8,0	-	-
	GW10K-ET	5,1	7,7	10,0	10,0	-	-
	GW15K-ET	-	15,0	15,0	15,0	15,0	-
	GW20K-ET	-	15,4	20,0	20,0	20,0	-
	GW25K-ET	-	15,4	20,5	25,0	25,0	-
	GW29.9K-ET	-	15,4	20,5	25,6	29,9	-
	GW40k-ET	-	30,7	40,0	40,0	40,0	-
	GW-50K-ET	-	30,7	41,0	50,0	50,0	-
Sungrow	SH5.0RT	5,0	5,0	5,0	5,0	-	-
	SH6.0RT	6,0	6,0	6,0	6,0	-	-
	SH8.0RT	6,1	8,0	8,0	8,0	-	-
	SH10RT	6,1	9,2	10,0	10,0	-	-
Sofar Solar	HYD 5KTL-3PH	5,1	7,7	10,2	12,8	15,4	-
	HYD 6KTL-3PH	5,1	7,7	10,2	12,8	15,4	-
	HYD 8KTL-3PH	5,1	7,7	10,2	12,8	15,4	-
	HYD 10KTL-3PH	10,0	10,0	10,0	10,0	10,0	-
	HYD 15KTL-3PH	10,2	15,0	15,0	15,0	15,0	-
	HYD 20KTL-3PH	10,2	15,4	20,0	20,0	20,0	-