

Solar Power Storage Systems STOREit



Wagner Solar

ENERGIETECHNIK
ENERGY TECHNOLOGY
TECHNOLOGIE ÉNERGÉTIQUE
ENERGIETECHNIEK



With our intelligent solar power storages

you increase your consumption of self produced solar power, reduce the electricity purchase from the public grid and achieve independency from rising electricity prices!

BENEFITS

- **Flexible storage solutions for new and existing installations**
- **Intelligent energy management**
- **System control via web access**
- **Powerful, maintenance-free and long-lasting batteries**

DETAILS

Solar power on demand, highly independent from the grid. Own consumption of solar power of up to 70%. Notably reduced electricity bills.

Maximizes own consumption through optimization of the energy flows including personal consumption habits. State-of-the-art communication standards enable easy integration into smart home systems.

The integrated web connectivity allows you to retrieve detailed system information from anywhere.

Systems with choice of highly efficient lithium-ion batteries, innovative or the trusted lead-acid batteries.



Solar Power Storage **STOREit**

The STOREit systems from Wagner Solar are the perfect combination of intelligent energy management and high-performance batteries. With STOREit battery packages the sun will also shine for you at night.



Pure sunlight - around the clock

The intelligent STOREit storage systems enable you to boost your consumption of self generated solar electricity. Break free from the power companies - economically and efficiently!

Power self consumption means independence

Solar power is now cheaper than conventional household electricity from the grid. With every utilized kilowatt hour of self generated solar power, you reduce your annual electricity costs and can remain unimpressed by future price hikes in the power market.

Independent of time and weather

The STOREit batteries store the excess solar power your solar installation generates during the day and which you do not consume in real time. The stored power then is fed back on-demand into the company's or households own power system.

This approach allows you to utilize your solar power even during overcast sky, in the evening or at night. Access to the public grid only becomes necessary if the storage batteries are emptied and the sun also does not shine.

All data in sight at any time

The solar storage systems are simply connected to the Internet. Via free web portals you can always have an eye on your solar power system. Energy flows and system data are presented in a clear and easy to understand manner. Keep optimizing your solar self consumption at any time and from anywhere in the world.

Just relax and enjoy your freedom!

**INVEST IN YOUR FREEDOM NOW
AND SAVE REAL MONEY!**

Solar Power Storage Systems with SMA Inverters

- Modular system designed to optimize the fraction of self-used electricity, also for integration in existing solar power installations
- AC-coupling, free choice of connected DC power
- A system comprises an inverter package and a battery pack
- The battery inverter package comprises an SMA Sunny Island battery inverter and an energy management system with automatic control of appliances and real-time display of all energy flows
- The packages can be combined freely



SMA SHM 2.0 Inverter packages	SI 4.4 mono phase	SI 6.0 mono phase	SI 13.2 triple phase	SI 18.0 triple phase	SI 24.0 triple phase
P _{ACnom} (kW)	3.3	4.6	9.9	13.8	18.0
Part no.	232 008 10	232 008 11	232 008 12	232 008 13	232 008 14

MERCEDES-BENZ Energy storage Home Generation 2.0 S (floor mounting)	6.0 S	9.0 S	12.0 S	15.0 S	18.0 S	21.0 S	24.0 S
Type	Lithium-Ion						
Usable energy (kWh)	5.6	8.4	11.2	14.0	16.8	19.6	22.4
Weight (kg)	69	101	133	170	202	234	266
Part no.	232 005 61	232 005 62	232 005 63	232 005 64	232 005 65	232 005 66	232 005 67

Mercedes-Benz
Energiespeicher

MERCEDES-BENZ Energy storage Home Generation 2.0 W (wall mounting)	6.0 W	9.0 W	12.0 W	15.0 W	18.0 W	21.0 W	24.0 W
Type	Lithium-Ion						
Usable energy (kWh)	5.6	8.4	11.2	14.0	16.8	19.6	22.4
Weight (kg)	67	99	131	166	198	230	262
Part no.	232 005 71	232 005 72	232 005 73	232 005 74	232 005 75	232 005 76	232 005 77



BMZ ESS Storage packages SMA	5,3 kWh	10,5 kWh	15,8 kWh	21,0 kWh	26,3 kWh	31,5 kWh
Type	Lithium-Ion					
Usable energy (kWh)	5.3	10.5	15.8	21.0	26.3	31.5
Weight (kg)	95	190	285	380	475	570
Part no.	232 002 75	232 007 30	232 007 31	232 007 32	232 007 33	232 007 34

BMZ
THE INNOVATION GROUP



LG CHEM Battery packages SMA	RESU 3.3	RESU 6.5	RESU 10	RESUplus 13	RESUplus 16,5	RESUplus 17,6
Type	Lithium-Ion					
Usable energy (kWh)	2.9	5.9	8.8	11.8	14.7	17.6
Weight (kg)	31	52	75	2 x 52	52 + 75	2 x 75
Part no.	229 310 00	229 310 01	229 310 02	229 310 03	229 310 04	229 310 05



HOPPECKE SPP classic Battery packages	3.2 kWh	4.0 kWh	5.5 kWh	8.0 kWh	11.0 kWh
Type	Lead-AGM				
Usable energy (kWh)	3.2	4.0	5.5	8.0	11.0
Weight (kg)	253	295	370	590	740
Part no.	232 002 62	229 002 63	232 002 64	232 002 65	232 002 66



Solar Power Storage Systems from FRONIUS

- Modular system designed to optimize the fraction of self-used electricity with FRONIUS Symo Hybrid-inverters
- Can be quickly and easily expanded by an emergency backup function
- Only in combination with Fronius solar batteries with lithium-ion technology
- A system comprises an inverter package and a battery pack
- The inverter package comprises a FRONIUS Symo Hybrid Inverter and a FRONIUS Smart Meter for triple phase energy metering and recording the household's load curve



FRONIUS Hybrid Inverter packages triple phase	3.0	4.0	5.0
P _{ACnom} (kW)	3.0	4.0	5.0
Part no.	232 010 00	232 010 01	232 010 02

FRONIUS Solar Battery packages	4.5	6.0	7.5	9.0	10.5	12.0
Type	Lithium-Ion					
Usable energy (kWh)	3.6	4.8	6.0	7.2	8.4	9.6
Weight (kg)	91	108	125	142	159	176
Part no.	232 002 52	232 002 53	232 002 54	232 002 55	232 002 56	232 002 57

Solar Power Storage Systems

STOREit High Voltage Systems

SMA Inverter for High-Voltage Storage Systems

- Bi-directional battery inverter for use in storage systems designed to optimize on-site use of self generated power, singlephase, AC-coupling
- Integrated emergency power use
- Weight significantly less and easier to install



SMA Sunny Boy Storage Inverter	SBS 2.5	SBS 3.7-10	SBS 5.0-10	SBS 6.0-10
P _{ACnom} (kW)	2.5	3.7	4.6	4.6
Part no.	261 001 27	261 001 73	261 001 74	261 001 75

KOSTAL Inverter for High-Voltage Storage Systems

- Triple phase hybrid inverter with two independent MPP-Tracker and integrated battery charger
- Intelligent energy- and battery management system
- Integrated communication- and monitoring package with yield and consumption forecast



KOSTAL PIKO BA Hybrid inverter	PIKO 6.0 BA	PIKO 8.0 BA	PIKO 10 BA
P _{ACNenn} (kW)	6	8	10
Part no.	221 801 18	221 801 19	221 801 20



KOSTAL PIKO Battery Li

- Lithium-iron phosphate battery for solar storage systems
- Used in conjunction with hybrid inverter Kostal PIKO BA



KOSTAL PIKO Battery Li	3,6	4,8	6,0	7,2	8,4	9,6
Type	Lithium-iron phosphate					
Usable energy (kWh)	3,6	4,8	6,0	7,2	8,4	9,6
Weight (kg)	120	136	153	169	186	202
Part no.	232 009 00	232 009 01	232 009 02	232 009 03	232 009 04	232 009 05

BYD B-Box Storage Package

- Lithium-iron phosphate battery for single-phase high-voltage storage system in conjunction with inverter SMA SUNNY BOY STORAGE SBS or KOSTAL PIKO BA
- Incl. 3 m data cable and 10 m battery connection cable
- Floor mounting

BYD B-Box	B-Box H6.4	B-Box H7.7	B-Box H9.0	B-Box H10.2	B-Box H11.5
Type	Lithium-iron phosphate				
Usable energy (kWh)	6.60	7.68	8.96	10.24	11.52
Weight (kg)	148	174	200	226	252
Part no.	232 009 50	232 009 51	232 009 52	232 009 53	232 009 54



LG Chem High-Voltage Battery

- Lithium-Ion Battery for single phase high voltage storage systems in conjunction with inverter SMA SUNNY BOY STORAGE SBS
- With additional RS485 interface also suitable for single-phase SolarEdge and Kostal inverters

LG Chem RESU H High-Voltage Battery	7H CAN 2.0B	10H CAN 2.0B
Type	Lithium-Ion	
Usable energy (kWh)	6.6	9.3
Weight (kg)	85	100
Part no.	232 006 01	232 006 03



Solar Power Storage Package LG ESS

Three phase DC coupled all-in-one system comprising:

- Transformerless inverter
- High-voltage lithium battery
- ABB energy meter

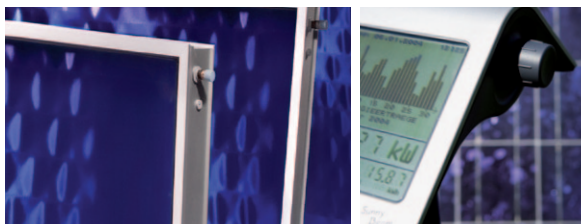
LG ESS Solars power storage packages	
P _{ACnom} (kW)	5,0
Usable energy (kWh)	5,8
Weight (kg)	34/58 (Inverter/Battery)
Part no.	229 300 61



Power. Heat. Future

We are solar pioneers with foresight and have been successfully working with the sun for more than 35 years.

As a one-stop systems supplier we stand for integrated sustainable solar power, solar heat, mounting systems and energy technology.



OUR PRODUCTS

Solar power systems

- for private residential buildings
- for public facilities
- for commercial enterprises
- for agricultural applications
- for off-grid projects
- for investors

Solar heating systems

- for private residential buildings
- for public facilities
- for commercial enterprises
- for agricultural applications

Heat recovery

- for private residential buildings
- for public facilities
- for commercial enterprises



Wagner Solar has a constantly expanding international distribution network