

Skype



AMPERE ENERGY

Ampere Energy, intelligent self-consumption system with battery storage for domestic optimization of the energy consumption.



Ampere Energy General



Ampere Energy Sphere S



Ampere Energy Sphere S Exlosion



Ampere Energy Square s





Ampere Energy Square S Explosion

Ampere Energy smart batteries store the excess energy generated by the solar panels during the day, so you can use it 24 hours a day. With the Ampere Energy specific software, which is equipped with artificial intelligence, is capable of self-management, predicting solar production, analysing the prices in the electricity market and the user's consumption patterns to achieve maximum savings and energy independence and ensure your comfort.

Sphere S

Design and versatility for small spaces.

Ampere Energy Sphere S system is perfect for properties such as apartments with moderate energy consumption. Thanks to its attractive and compact design, it can be installed anywhere as an additional decorative element.

Main specifications

- Capacity 3 or 6 kWh
- Maximum depth of discharge of 95%
- 3 KW nominal output power.
- 6000 charge / discharge cycles
- Weight: 80 or 105 kg
- Ø 730 mm.
- Direct installation on the floor

Square S

Maximises the efficiency of your photovoltaic system

Ampere Energy Square S is the most popular smart battery system for household uses. It has a storage capacity of 3 or 6 kWh.

a charge capacity of 3 or 6 kWh.

Ampere Energy Square is suitable for an average consumer type..

Main specifications

- Capacity 3 or 6 kWh
- Maximum depth of discharge of 95%
- 3 or 5 KW nominal output power.
- 6000 charge / discharge cycles
- Weight 77 or 100 kg
- Dimensions 870 x 980 x 190 mm
- Wall mounting

Tower S

Maximum energy independence

Ampere Energy Tower S, is designed for users with medium and high energy consumption.

This system is ideal for home or small stores, and combined with photovoltaic production allows you to achieve maximum energy efficiency.

Main specifications

- Capacity 12 kWh
- Maximum depth of discharge of 95%
- 3 or 5 KW nominal output power.
- 6000 charge / discharge cycles
- Weight 150 or 155 Kg
- Dimensions 1.880 x 740 x 190 mm
- Wall or floor installation.

SPHERE S

	Sphere S 3.3	Sphere S 6.3
Battery module		
Usable capacity	3 kWh	6 kWh
Usable capacity	58 Ah	116 Ah
Depth of discharge	95 %	
Battery type	Li-Ion	
Nominal voltage	51,8 Vdc	
Voltage range	42 - 58,8 Vdc	
Number of cycles (95% DoD, 25 °C)	> 6000	
Estimated lifetime	> 16 years	
Inverter		
Topology	Bidirectional inverter	
Nominal power	3 kW	3 kW
Nominal AC voltage	230 V	230 V
Nominal AC Current	13 Amp	13 Amp.
Frequency	50 / 60 Hz	50 / 60 Hz

Frequency	50/60 Hz	50/60 Hz
General Specifications		
IP Degree	IP22	
Operating temperature range	- 5 °C to + 40 °C	
Humidity	5 - 85 %	
Dimensions	730 mm (diameter)	730 mm (diameter)
Weight	80 Kg	105 Kg
Communication Ports	Ethernet, RS485, ModBus, USB, Wifi	
Energy Management	EMS with AMPi software	
Energy Meter	Bidirectional energy meter, RS485, ModBus	
Warranty	10 years (except inverter 5 years)	

Standards

Battery cells	IEC 62133	
Battery modules	CE / IEC 62619	
Transport	UN 38.3	
Safety, EMC	EN 61000-6-1/2/3/4, EN 61000-3-11/12, EN 62109-1/2, IEC 62103, EN 50178, FCC Part 15, AS3100, EN 61439-1:2011, EN 61439-2:2011	
Grid connection regulations	RD 1669/2011, DIN V VDEV 0126-1, EN 50438, CEI 0-21, VDE-AR-N 4105:2011-8, G59/2, G83/2, AS4777.2, AS4777.3, IEC 62116, IEC 61727, UNE 206007-1, UNE 217001:2015 IN	

SQUARE S

Square S 3.3 Square S 6.3 Square S 6.5

Battery module

Usable Capacity	3 kWh	6 kWh	6 kWh
Usable Capacity	58 Ah	116 Ah	116 Ah
Depth of discharge	95 %		
Battery type	Li-Ion		
Nominal Voltage	51,8 Vdc		
Voltage range	42 - 58,8 Vdc		

Number of cycles (95% DoD, 25 °C)	> 6000
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Estimated lifetime	> 16 years
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Inverter

Topology	Bidirectional inverter
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Nominal power	3 kW	3 kW	5 kW
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Nominal AC voltage	230 V	230 V	230 V
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Nominal AC current	13 Amp	13 Amp	21,5 Amp
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Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
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Photovoltaic input (Only PV version)

MPPT Voltage	Vmppt	330 - 450 V	330 - 450 V	330 - 450 V
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Operating voltage range	Vcc	300 - 550 V	300 - 550 V	300 - 550 V
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Maximum current	Amp	20 Amp	20 Amp	30 Amp
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Number of strings		2	2	2
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Number of MPPT		1	1	1
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General specifications

IP Degree	IP22
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Operating temperature range	- 5 °C to + 40 °C
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Humidity	5 - 85 %
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Dimensions	870 x 980 x 190 mm
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Weight	77 Kg	95 Kg	100 Kg
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Communication Ports	Ethernet, RS485, ModBus, USB, Wifi
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Energy management	EMS with AMPi software
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Energy meter	Bidirectional meter, RS485, ModBus
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Warranty	10 years (except inverter 5 years)
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Standards

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8, G59/2, G83/2,
AS4777.2, AS4777.3, IEC
62116, IEC 61727, UNE
206007-1, UNE
217001:2015 IN

TOWER S

	Tower S 12.3	Tower S 12.5	
Battery module			
Usable capacity	12 kWh	12 kWh	
Usable capacity	232 Ah	232 Ah	
Depth of discharge	95 %		
Battery type	Li-Ion		
Nominal voltage	51,8 Vcc		
Voltage range	42 - 58,8 Vcc		
Number of cycles (95% DoD, 25 °C)	> 6000		
Estimated lifetime	> 16 years		
Inverter			
Topology	Bidirectional inverter		
Nominal power	3 kW	5 kW	
Nominal AC voltage	230 V	230 V	
Nominal AC current	13 Amp.	21,5 Amp	
Frequency	50 / 60 Hz	50 / 60 Hz	
Photovoltaic input (Only PV version)			
MPPT Voltage	Vmppt	330 - 450 V	330 - 450 V
Operating voltage range	Vcc	300 - 550 V	300 - 550 V
Maximum current	Amp	20 A	30 A
Number of strings		2	2
Number of MPPT		1	1
General specifications			
IP Degree	IP22		
Operating temperature range	- 5 °C to + 40 °C		
Humidity	5 - 85 %		

Dimensions	1880 x 740 x 190 mm	1880 x 740 x 190 mm
Weight	150 Kg	155 Kg
Communication Ports	Ethernet, RS485, ModBus, USB, Wifi	
Energy management	EMS with AMPi software	
Energy meter	Bidirectional meter, RS485, ModBus	
Warranty	10 years (except inverter 5 years)	

Standards

Battery cells	IEC 62133	
Battery modules	CE / IEC 62619	
Transport	UN 38.3	
Safety / EMC	EN 61000-6-1/2/3/4, EN 61000-3-11/12, EN 62109-1/2, IEC 62103, EN 50178, FCC Part 15, AS3100, EN 61439-1:2011, EN 61439-2:2011	
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