



IMEON X-HOME ESS

X-Home ESS is an all-in-one system for outdoor installation for your residential installations. It is perfectly adapted to extreme climatic conditions and integrates, in a single cabinet, all the components necessary for the optimal functioning of a solar self-consumption installation. Available for power ratings

- ✓ PV power from 4 kWp to 12 kWp [INSTALLER](#) [COMPANY](#) [CONTACT](#)
- ✓ Stored energy from 7.2 kWh to 19.2 kWh
- ✓ Parallel operation of up to 4 units
- ✓ Warranty up to 10 years
- ✓ Ultra-simplified installation

ROBUST ALL-IN-ONE CABINET!

The IMEON X-Home ESS solution is suitable for extreme weather conditions!



ALL IN ONE

The ESS range is an all-in-one solution developed by IMEON ENERGY. The ESS products are...



EVOLUTIONARY

Unlike other solutions available on the market, IMEON's ESS range is a scalable solution, incorporating...



CONNECTED

IMEON X-Trem ESS, in addition to its functions related to energy storage and conversion, is...



PEAK-SHAVING

Peak-shaving is one of the many useful features provided by the X-Trem ESS solution. Mainly...



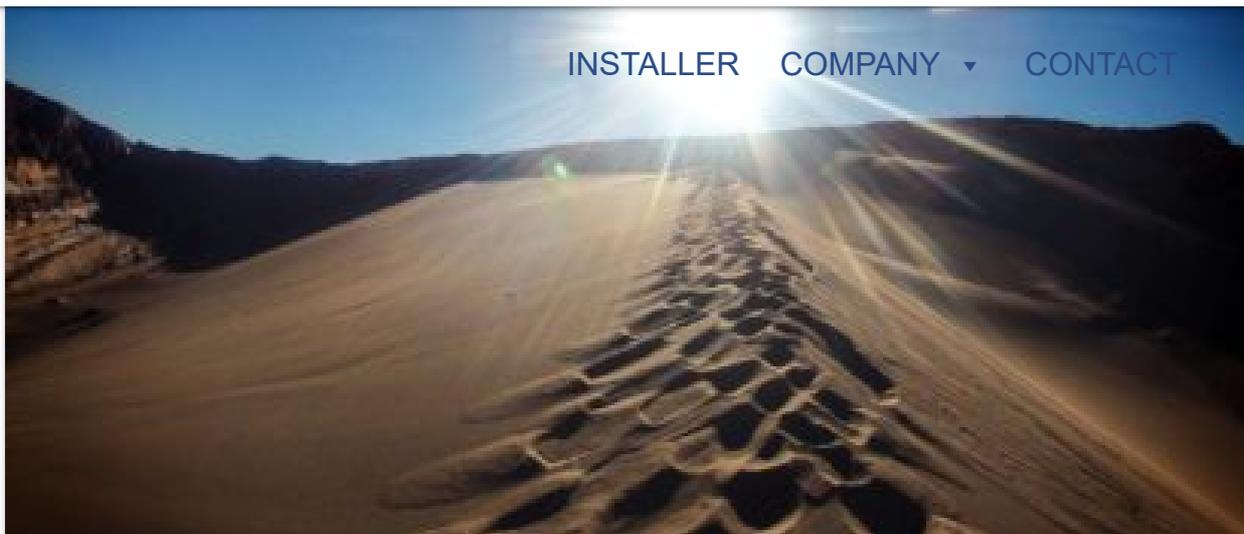
FLEXIBLE

The ESS solutions developed by IMEON is the most flexible all-in-one solution for energy conversion...

SOLUTIONS FOR ALL YOUR PROJECTS!

IMEON ENERGY has products adapted to the size of your different projects!





OFF-GRID

IMEON ENERGY's X-Trem solutions enable electrification in areas where the public electricity grid is not...





E.V. STATION

The X-Home ESS models are compatible for the energy supply of the charging stations...



All necessary components integrated in a ready to connect cabinet!

TURNKEY

The products of the X-Home ESS range are assembled in Brest by the IMEON ENERGY teams. All you have to do is place the cabinet on a concrete slab and make a few connections in order to store your own energy.

Becoming autonomous has never been so easy!

EXTREME ENVIRONMENTS

X-Home ESS, developed by IMEON ENERGY's R&D teams, is an all-in-one solution integrated in an air-conditioned cabinet allowing implementation in places with difficult climatic or environmental conditions (salty air, dust, heat). The optimal temperature maintenance system allows the power electronics and batteries to be used in the right

OS. ONE

IMEON ENERGY's X-Home ESS solution, dedicated to self-consumption solar applications with batteries, integrates the OS. ONE OPERATING SYSTEM. Thanks to its intuitive interface, the parameterization of the complete system is ultra-simplified. The installer can quickly change parameters such as the priorities for using solar energy and the permitted depth of discharge of the battery. OS. One can be accessed from a computer, tablet or smartphone via WiFi or Ethernet.

IMEON X-HOME ESS TECHNICAL SPECIFICATIONS

[DOWNLOAD](#)

	X-Home 3	X-Home 9
GRID		
NOMINAL POWER	3 kW	9 kW
VOLTAGE / FREQUENCY	230 Vac / 50 Hz	3/N/PE, 230/400 Vac / 50 Hz, 60 Hz
Grid injection		Configurable

SOLAR

	INSTALLER 4 kWc	COMPANY ▾	CONTACT ▾ 12 kWc
MAX. INSTALLED POWER			
NUMBER OF MPPT ENTRY(S)	1		2
VOLTAGE RANGE MPPT	120 – 480 Vdc		380 – 750 Vdc
MAX. CURRENT	13 A		13 A
MAX. VOLTAGE	560 Vdc		850 Vdc

BATTERY

CELL TYPE	Lithium Iron Phosphate (LiFeP04)		
STORED ENERGY	7.2 kWh		19.2 kWh
VOLTAGE RANGE	45 – 54 Vdc		45 – 54 Vdc
MAX. LOAD POWER	3 kW		9 kW
RECOMMENDED CURRENT		0.5 C	
MAXIMUM CURRENT		1 C	
MAX. LOAD CAPACITY	93 %		93 %
BATTERY CHARGING		Configurable	
BATTERY DISCHARGE		Configurable	
NUMBER OF CYCLES*		6000	

BACK-UP

AVAILABILITY	Standard		Optional
TRANSFER TIME	13 ms		2 s
NOMINAL POWER	3 kW		9 kW
VOLTAGE / FREQUENCY	230 Vac / 50 Hz		3/N/PE, 230/400 Vac, 50 Hz, 60 Hz
RATED CURRENT (PER PHASE)	13 A		13 A

ELECTRICAL PROTECTIONS

GRID	Differential circuit breaker, Lightning arrester
SOLAR	Disconnecter(s), fuse(s), lightning arrester(s)
BATTERY	DC circuit breaker
BACK-UP	Earth leakage circuit breaker, source selector switch

GENERAL SPECIFICATIONS

PROTECTION CLASS	IP 55 (outdoor or indoor installation)	
DIMENSIONS (MM)	1050*700*930	1150*1200*1300
WEIGHT	270 KG	560 KG

[TERMS AND CONDITIONS OF USE](#)[Humidity: 0 to 100 %](#), [Temperature: -30 to + 60°C](#)[WARRANTY](#)[10 years*](#)[INSTALLER](#)[COMPANY](#)[CONTACT](#)

(*) Varies depending on operating conditions – data provided under standard test conditions: maximum current 0.5C, 25°C, 80% DOD

CONTACT US

If you are interested in becoming energy self-sufficient with solar electricity and IMEON solutions, fill out the contact form by clicking below.

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IMEON ENERGY

6 Rue de Kerbernard
BREST , 29200 FRANCE

+33 1.84.17.51.15

solar, energy, inverter