FISA TEHNICA

INVERTOR HIBRID CU STOCARE
IMEON X-TREM ESS



SOLAR SELF-CONSUMP-TION + STORAGE

Power: 3 to 60 kW Energy: 7.2 to 125 kWh





GRID CONNECTED



ISOLATED SITES



OUTDOOR INSTALLATION



SMART-GRID INTELLIGENCE



CONNECTED

About IMEON ENERGY

With several thousand systems delivered worldwide, IMEON ENERGY has become a key player in energy conversion and storage, recognised for the reliability of its solutions. Building on this experience, IMEON ENERGY launched in 2020 a new range of energy storage solutions dedicated to commercial and industrial applications.

IMEON X-Trem ESS

«All-in-one» solutions for extreme environments



IMEON «All In One» X-Trem ESS cabinets 60 kW

Conversion, lithium batteries and electrical protections Installations up to 600 kW - 1.2 MWh

ALL-IN-ONE

The IMEON X-Trem ESS solution integrates all the necessary components for a solar installation with storage: hybrid solar inverter, electrical protections and lithium batteries. IMEON offers optional commissioning services adapted to C&I solutions.

RELIABILITY

The IMEON X-Trem ESS range integrates reliable components to ensure optimal operation of the solution. These components are integrated in a secure, air-conditioned cabinet allowing the installation of IMEON solutions in environments with extreme climatic conditions.

CUSTOMISED

In addition to the IMEON X-Trem ESS solutions presented in this brochure, IMEON offers «tailor-made» solutions, dimensioned according to the needs of your customers. Whether you are looking for kW or MW power, IMEON is able to help you to find a solution that meets your requirements.

IMEON ENERGY

TECHNICAL SPECIFICATIONS

GRID	X-Trem 3	X-Trem 9	X-Trem 18	X-Trem 27	X-Trem 60	
Nominal power	3 kW	9 kW	18 kW	27 kW	60 kW	
Voltage / Frequency	230 Vac / 50 Hz 0 Hz 3/N/PE; 230/400 Vac / 50 Hz, 60 Hz					
Grid injection	Configurable					
Energy source priorities	Configurable					
Smart-Meter	Limited to 100A (extension possible on request)					

SOLAR					
Max. installed power	4 kWc	12 kWc	24 kWc	36 kWc	72 kWc
Number of MPPT entry(s)	1	2	4	6	6
Voltage range MPPT	120 - 480 Vdc	380 - 750 Vdc	380 - 750 Vdc	380 - 750 Vdc	200 - 800 Vdc
Max. current	18 A	18 A	18 A	18 A	28 A
Max. voltage	560 Vdc	850 Vdc	850 Vdc	850 Vdc	1000 Vdc

BATTERY						
Cell type	Lithium Iron Phosphate (LiFeP04)					
Stored energy	7.2 kWh	19.2 kWh	38.4 kWh	57.6 kWh	125 kWh	
Voltage range	45 - 54 Vdc	45 - 54 Vdc	45 - 54 Vdc	45 - 54 Vdc	392 - 504 Vdc	
Max. load power	3 kW	9 kW	18 kW	27 kW	60 kW	
Recommended current	0.5 C					
Maximum current	1C					
Max. load capacity	93 %	93 %	93 %	93 %	98 %	
Battery charging	Configurable					
Battery discharge	Configurable					
Nombre de cycles**	6000				8000	

BACK-UP					
Availability	Standard				Option
Transfer time	13 ms				2 s
Nominal power	3 kW	9 kW	18 kW	27 kW	60 kW
Voltage / Frequency	230 Vac / 50 Hz	230 Vac / 50 Hz 3/N/PE; 230/400 Vac / 50 Hz, 60 Hz			
Rated current (per phase)	13 A	13 A	26 A	39 A	90 A

ELECTRICAL PROTECTIONS	
Grid	Differential circuit breaker, Lightning arrester
Solar	Disconnector(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)	1400*900*900	2300*900*1100	2300*900*1100	2300*1600*1100	1210*1900*2150	
Weight	332 kg	659 kg	788 kg	1309 kg	1898 kg	
Technology	TL (without transformer)					
Communication	CAN / Dry contact / Modbus / ETH / LTE option / Over-The-Air update					
Terms and conditions of use	Humidity: 0 to 95 %, Temperature: -5 to + 50°C					
Warranty	10 years * / Extension to 20 years (optional)					

^(*) Provided that all the technical specifications and general warranty conditions are respected
(**) Varies according to operating conditions - data given in standard test conditions: max current 0.5C, 25°C, 80% DOD, 70% SOH





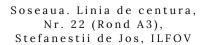
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