SOLUTIONS FOR
SELF-CONSUMPTION
AND ENERGY STORAGE

IMEON ENERGY

YOUR POWER YOUR RULES

- MAXIMUM SAFETY
- SCALABILITY MODULARITY
- FAST INSTALLATION
- MONITORING INTEGRATED

Simplify your installations. Maximize your performance.

IMEON

Since 2013, IMEON ENERGY has been manufacturing inverters incorporating artificial intelligence for solar self-consumption with batteries. A French pioneer in hybrid solar storage, IMEON has designed the NEO: a plug-and-play solution combining artificial intelligence and ease of installation.

High-efficiency HV Batteries

NEO BATTERY

3.55 to 14.2kWh

Stackable High Voltage Modules

10 YEAR GUARANTEE*

RELIABLE AND ROBUST

Manufactured from lithium iron phosphate cells, NEO storage batteries withstand intensive charge and discharge cycles without loss of performance. Their stackable structure simplifies installation and maintenance, while offering a scalable solution for future needs. Optimized by artificial intelligence, they require little maintenance, making NEO a safe and long-lasting investment.

MAXIMUM SAFETY

Engineered for maximum safety, NEO batteries are managed by the NEO BDU, a smart BMS that balances cells and communicates with the NEO hybrid inverter. Thanks to its advanced protection against overloads, short circuits, and overheating, it ensures equipment safety while extending battery lifespan.

HIGH PERFORMANCE

NEO high-voltage batteries are distinguished by their high energy efficiency. Designed to maximize energy storage and restitution, they ensure efficient conversion of photovoltaic production, optimizing self-consumption rates. Ideal for both domestic and professional use, they reduce dependence on the electricity grid and deliver substantial savings.

Non-contractual pictures

	IM-9637
DESCRIPTION NEO BAT	Stackable storage module - Plug & Play
Storage technology	Lithium Fer-Phosphate
Setting	1 module - up to 4 per BDU
Compatibility	Only IMEON Inverter NEO : 3K - 3.6K - 4K - 4.6K - 5K - 6K
Operating - BMS management	Operational with NEO-BDU
Communication (Inverter NEO)	CAN
Total energy / per module [kWh]	3.552
Rated capacity [Ah]	37
Voltage range [VDC]	96
Recommended / maximum depth of discharge (DOD) [%]	80 / 90
Life span	> 6000 cycles*
Operating temperature range [°C]	0 ~50
Protection category	IP54
Compliance	CE / IEC62619 / UN38.3
Guarantee	10 years / Extension to 20 years (optional)
Dimensions (H x W x D) [mm]	504 x 380 x 240
Weight [kg]	41

NEO-BAT modules are operational with the NEO - BDU management system and must be installed with the NEO-BASE support (included with the purchase of a module).

	IM-NEOHVBDU
DESCRIPTION NEO BDU	Management system for NEO-BAT - Up to 4 modules
Dimensions (H x W x D) [mm]	504 x 380 x 156.5
Weight [kg]	14

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