

SOLUTIONS FOR
SELF-CONSUMPTION
AND ENERGY STORAGE

IMEON ENERGY

YOUR POWER YOUR RULES*



10-YEAR
WARRANTY**



EXTERNAL BMS



MODULAR

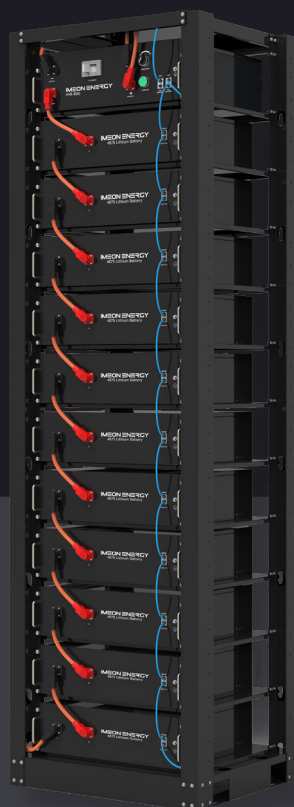


SECURITY



MONITORING

Simplify your installations. Maximize your performance.



IMEON ENERGY

Since 2013, IMEON ENERGY has been designing and manufacturing inverters integrating artificial intelligence for solar self-consumption with batteries. A French pioneer in hybrid solar storage, IMEON offers plug-and-play solutions combining innovation and ease of installation.

HIGH-EFFICIENCY HV BATTERIES

IMEON 48V75Ah-HV

Series connection of 9 to 19 modules.



RELIABLE AND ROBUST

IMEON lithium iron phosphate batteries endure intensive cycles with no performance loss. Rack-mountable and scalable, they're easy to install and maintain. AI optimization ensures low upkeep, making them a reliable, long-term storage solution. Since 2013, French company IMEON ENERGY has designed AI-powered inverters for solar self-consumption. A pioneer in hybrid solar storage, IMEON offers plug-and-play, innovative, and easy-to-install systems.

MAXIMUM SAFETY

Designed for maximum safety, IMEON batteries are supervised by a master BMS integrated into the BDU, which manages cell balancing and communication with the IMEON hybrid UPS. Thanks to advanced protection systems against overloads, short-circuits and overheating, they guarantee optimum protection for users and their equipment, while ensuring long service life.

HIGH PERFORMANCE

IMEON 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.

(*) On accordance with the IMEON ENERGY Warranty Conditions

No-contractual pictures

DESCRIPTION	Module 48V75Ah -HV
Total energy	3 600 Wh
Capacity	75 Ah
Rated voltage	48 V
Voltage range	46 V - 54 V
Rated charge / discharge current	37,5 A
Number of cycles at 80% DOD	6 000 *
Number of modules in series	From 9 to 19 modules
GENERAL INFORMATION	
Dimensions (l x d x h) [mm]	481 x 410 x 133 mm
Weight [kg]	32
Communication with inverter	CAN
Cell type	LFP (lithium fer phosphate)
Management	External BMS (Battery Management System)
Humidity	5 - 85 %
Operating temperature range	0°C +55°C
Storage temperature range	-20°C +60°C
Altitude	< 4 000 m
Guarantee*	10 years **
GENERAL INFORMATION	BDU
Dimensions en mm (l x h x d)	481 x 410 x 155 mm
Weight [kg]	12

IMEON C&I RANGE IMEON 30 HV BATTERY

