

SOLAR
SELF-CONSUMPTION +
STORAGE Batteries



IMEON ENERGY
Your Power, Your Rules



10 YEAR
GUARANTEE*



INTEGRATED BMS



MODULAR



SAFETY



MONITORING
MONITORING**

Lithium battery 48V50Ah-LV



About IMEON ENERGY

Since 2013, IMEON ENERGY has been manufacturing solar inverters for self-consumption with storage. After five years of partnership with the world's leading battery manufacturers. Today, IMEON develops and markets its own lithium modules. The IMEON inverter and battery couple intelligently manages the different energy flows and is positioned as the most efficient storage system on the market.

Lithium IMEON ENERGY modules
IMEON 48V50Ah-LV

Parallel connection of up to 36 modules.



RELIABLE AND ROBUST

The 48V50Ah-LV IMEON battery module is made up of the latest generation «lithium iron phosphate» cells. The 48V50Ah-LV IMEON battery is a judicious choice to restore one kWh at the best price during the entire operating life of your installation. Coupled to an IMEON brand inverter and connected to the web, the 48V50Ah-LV battery module can benefit from a guarantee of up to 10 years*.

MAXIMUM SAFETY

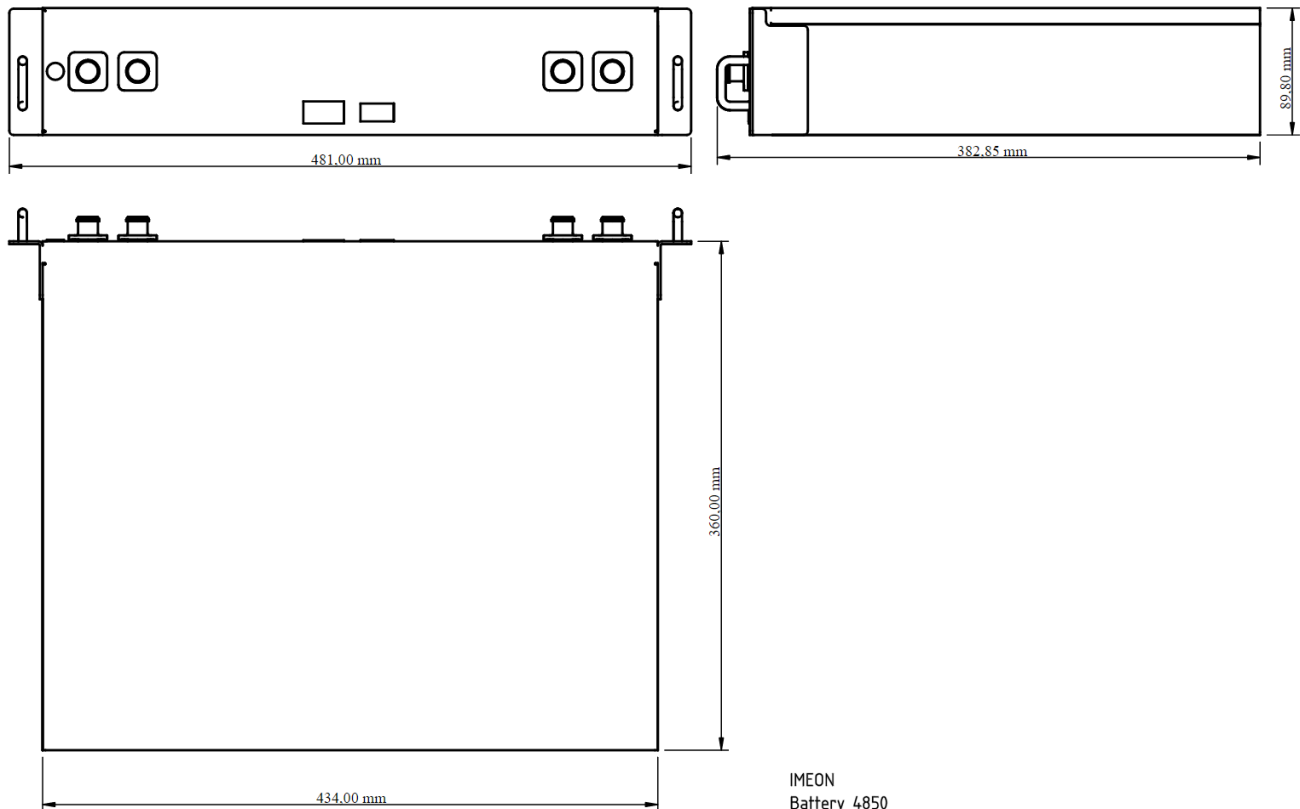
The 48V50Ah-LV IMEON battery integrates a BMS (battery management system) which manages the balancing of the battery cells and sends instructions to the inverter concerning the charging currents and voltages to be respected. In addition, these modules are recyclable and are made up of LiFePO4 (lithium iron phosphate) cells which ensure an optimum level of safety for users.

MODULAR DESIGN

Up to 36 battery modules IMEON 48V50Ah-LV can be installed in parallel without any additional accessories. This modularity makes it possible to create installations from 2.4 to 86.4 kWh of stored energy using the 48V50Ah-LV modules. The IMEON battery modules can be integrated into the majority of solar self-consumption, back-up or network service projects.

	Module 48V50Ah -LV
Total energy	2400 Wh
Capacity	50 Ah
Nominal voltage	48V
Voltage range	45 V - 54 V
Nominal load/discharge current	25 A
Maximum charge/discharge current	50 A
Number of cycles at 80% discharge	6000
Parallel operation	Up to 36 modules

GENERAL DATA	
Dimensions in mm (l x h x d)	480 x 360 x 90 mm
Weight in Kg	24
Communication ports	CAN, RS485
Cell type	LFP (lithium iron phosphate) + BMS
Humidity	5 - 85 %
Operating temperature range	+10°C +40°C
Storage temperature range	-20°C +60°C
Altitude	< 4 000 m
Certifications	CE / IEC62619 / UN38.3
Warranty*	10 years * / Extension to 20 years (optional)



* See IMEON ENERGY warranty conditions