

SOLAR SELF CONSUMPTION + STORAGE

Protective boxes



IMEON ENERGY
Your Power, Your Rules*



GRID PROTECTION



DC SUN PROTECTION



DC BATTERY PROTECTION



OPTIMAL SECURITY



SOURCE INVERTER

ELECTRICAL PROTECTIONS for hybrid inverters



About IMEON ENERGY

With several thousand systems installed worldwide, IMEON ENERGY has become a key player in energy conversion and storage, recognised for the reliability of its solutions. In 2021, IMEON ENERGY will market a new range of products dedicated to the electrical protection and safety of solar installations with storage.

**Solar / Battery / Grid
Electrical protection boxes
for IMEON hybrid inverters.**

SAFETY

IMEON electrical protections integrate all the components necessary for the safety of solar installations with storage: lightning arresters, disconnectors, circuit breakers, fuses and source inverter. These elements allow the protection and safety of the installation during maintenance operations.

RELIABILITY

All of the electrical protection boxes designed by IMEON ENERGY have been developed taking into account the strictest electrical standards worldwide. These boxes provide an optimum protection for all the components of a solar self-consumption system with battery.

SIMPLICITY

IMEON ENERGY has developed protection boxes for each inverter of its range. No more need to ask questions about the dimensioning or the type of protection to be integrated in your installation, just choose the protection boxes corresponding to the model of inverter chosen.

REFERENCE	IMEON 3.6	IMEON 9.12
SOLAR		
Disconnecter(s)	600V 63A 2P (x1)	1200V 32A 4P(x2)
Fuse(s)	1000V 15A (x2)	1000V 15A (x4)
Lightning arrester(s)	600V 40kA 2P (x1)	1000V 40kA 3P (x2)
Standard	IEC/ EN50539-11 Type 2	
Number of entries	1	2
Number of output(s)	1	2
Protection class (IP)	IP 65	IP 65
Dimensions in mm (l*h*p) (1)	185x225x120	289x358x135
Weight (Kg)	3	7
BATTERY		
DC circuit breaker	500V 100A 2P	500V 200A 2P
Protection class (IP)	IP 65	IP 65
Dimensions in mm (W*H*D) (1)	150x325x130	200x300x130
Weight (Kg)	1,8	1,8
GRID		
Differential circuit breaker (grid)	25 A 30mA 2P	25A 30mA 4P
Differential circuit breaker (backup)	16A 30mA 2P	16A 30mA 4p
Lightning arrester	275V 2P	275V 4P
Standard	IEC/EN 61643-11	
Source inverter	16A 2P	16A 4P
Protection class (IP)	IP65	IP65
Dimensions in mm (W*H*D) (1)	300x385x135	300x540x150
Weight (Kg)	5	6
GENERAL		
Operating temperature	-20°C à 60°C	
Maximum altitude	2000m	
Humidity	99%	
Certifications	UTEK-15-712-3	
Box composition	Polycarbonate	
UV resistance	Yes	
Warranty	18 Months (without consumables)	
LEAKAGE PROTECTOR		
Nominal voltage	25 A 30mA 2P	
Type	AC (A Optional)	
Residual voltage	30 mA	

⁽¹⁾ The size of the protection boxes may differ from that shown on the datasheets.