



HYBRID <u>SMART G</u>RID



OFF-GRID BACK-UP / UPS



LITHIUM LEAD-ACID



A.I. INSIDE

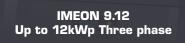
Artificial Intelligence Inside



CONNECTED GENERATION

# Self-Consumption Solar Hybrid Inverters







IMEON 3.6 Up to 4kWp Single phase



## THE SMART GRID REVOLUTION

IMEON's Smart Grid inverter technology is the all-in-one answer for true multi-energy source management. It is now possible to consume one's own solar production directly, to store it in batteries for later use or in case of power outage, but also to inject into the grid - or consume from it - only when needed. French research and innovation have made it possible to revolutionise this integrated intelligence and energy management to finally allow real control of one's energy.

#### **SMART-GRID**

With the smart management and the real time multi energy phase coupling, IMEON optimises solar yields by choosing the ideal energy mode: direct consumption (self-use), storing the surplus of production, drawing from the grid, or injecting the solar surplus to the grid. IMEON automatically adapts to the installation without complex configurations.

#### **ECONOMIC**

There is no longer the need for separate components such as charge controllers or added inverters. The overall cost of the photovoltaic system can therefore be reduced by 30%<sup>(1)</sup>. IMEON's innovative Smart-Grid function allows to lower the storage capacity, reduce battery cycling, as well as further prolonging the battery life.

### CONNECTED

The IMEON ONLINE monitoring platform allows you to track the performance of your solar installation from any device while IMEON OS.ONE, the inverter's Operating System using Artificial Intelligence, manages the exchange of information between IMEON and diverse peripheral devices, intelligently controlling the flow of energy according to your needs.

## **IMEON ENERGY**

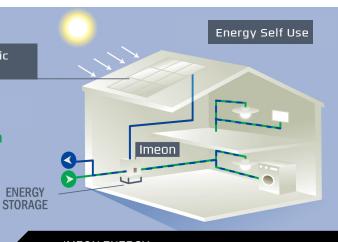
# **TECHNICAL SPECIFICATIONS**

Rand output power   3 000 W   9 000 W     Maximum output power (3 sec)   6 000 W   1 2000 W     AC voltage Frequency (input & output)   230 Vac (±15%) 50 Hz (±5 Hz)   3/NPE; 230 400 Vac (±15%) 50 Hz (±5 Hz)     Nominal output current   13 A   13	GRID AC (ON-GRID & OFF-GRID)	IMEON 3.6	IMEON 9.12
AC voltage   Frequency (input & output)   230 Vae (±5 %) / 50 Hz , 60 Hz (±5 Hz)   31N PE: 220 400 Vae (±15 %) / 50 Hz , 60 Hz (±5 Hz)   Nominal output current   13 A	Rated output power	3 000 W	9 000 W
Nominal output current	Maximum output power (3 sec)	6 000 W	12 000 W
Maximum input current	AC voltage / Frequency (input & output)	230 Vac (±15 %) / 50 Hz , 60 Hz (±5 Hz)	3/N/PE; 230/400 Vac (±15 %) / 50 Hz, 60 Hz (±5 Hz)
Programmable (yes by default)	Nominal output current	13 A	13 A / phase
Programmable (PV / Storage / Grid)	Maximum input current	25 A	17,5 A / phase
SOLAR INSTALLATION	Feed in to grid	Programmable (yes by default)	
Maximum input power         Up to 4 000 Wp <sup>(1)</sup> Up to 12 000 Wp <sup>(1)</sup> Number of MPPT inputs         1         2           MPPT voltage range (Vmpp)         120 V – 480 V         380 V – 750 V           Maximum input current (Impp)         19 A         2 x 18 A           Maximum short-circuit current (Isc)         18 A         2 x 23 A           Maximum input voltage (Voc)         560 V         850 V           Maximum efficiency         DC to AC : >95,5% (95,2% EU)           BATTERY & CHARGE         20 C         48 Vdc           DC range voltage         42 - 62 Vdc         48 Vdc           Maximum discharge current         80 A         200 A           Max charging current (PV/GRID)         60 A / 60 A         160 A / 120 A           Type of batteries         Lead-seid Lithium²         160 A / 120 A           Charging curve         3-phase (Bulk / Absorption / Float)           Maximum efficiency         PV - battery - > 94% / Battery <-> AC : >93%           Battery drange         Programmable (threshold / fiming: multiple range by AC Grid)           Battery drange         Programmable (2 threshold / fiming: multiple range by AC Grid)           Battery discharge         Programmable (2 threshold / fiming: multiple range by AC Grid)           Battery discharge         Programmable (2	Energy consumption priorities	Programmable (PV / Storage / Grid)	
Number of MPPT inputs	SOLAR INSTALLATION		
MPPT voltage range (Vmpp)         120 V − 480 V         380 V − 750 V           Maximum input current (Impp)         18 A         2 x 18 A           Maximum short-circuit current (Isc)         18 A         2 x 23 A           Maximum input voltage (Voc)         560 V         850 V           BATTERY & CHARGE           DC range voltage         48 Vdc           DC range voltage         42 - 62 Vdc           Maximum discharge current         80 A         200 A           Max charging current (PViGRID)         60 A / 60 A         160 A / 120 A           Type of batteries         Lead-acid, Lithium <sup>10</sup> Charging curve         3-phase (Bulk / Absorption / Float)           Maximum efficiency         PV -> battery: >94% / Battery <-> AC : >93%           Battery charge         Programmable (threshold / timing; multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing; multiple range by AC Grid)           Battery discharge         Programmable (2 thresholds according to grid availability)           GENERAL         Dimensions (w x h x d)         440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch         580 x 800 x 240 mm / 22.85 x 31.5 x 9.45 inch           Protection category         IP 20 (indoor installation)         IP 20 (indoor installation)           Weight         19 kg	Maximum input power	Up to 4 000 Wp <sup>(1)</sup>	Up to 12 000 Wp (1)
Maximum input current (impp)         18 A         2 x 18 A           Maximum short-circuit current (isc)         18 A         2 x 23 A           Maximum input voltage (Voc)         560 V         850 V           Maximum efficiency         DC to AC : >95,5% (95,2% EU)           BATTERY & CHARGE           DC nominal voltage         48 Vdc           DC range voltage         42 - 62 Vdc           Maximum discharge current         80 A         200 A           Max charging current (PViGRID)         60 A / 60 A         160 A / 120 A           Type of batteries         Lead-acid, Lithium <sup>(c)</sup> Charging curve         3 -phase (Bulk / Absorption / Float)           Maximum efficiency         PV - battery - battery - battery - > 4M - Settery - > AC : >93%           Battery charge         Programmable (Inveshold / Iming, multiple range by AC Grid)           Battery discharge         Programmable (2 thresholds according to grid availability)           GENERAL         Dimensions (w x h x d)         440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch         580 x 800 x 240 mm / 22.85 x 31.5 x 9.45 inch           Protection category         IP 20 (indoor installation)         IP 20 (indoor installation)           Weight         19 kg         51 kg           Technology         TL (transformless)	Number of MPPT inputs	1	2
Maximum short-circuit current (Isc)         18 A         2 x 23 A           Maximum input voltage (Voc)         560 V         850 V           Maximum efficiency         DC to AC : >95,5% (95,2% EU)           BATTERY & CHARGE           DC nominal voltage         48 Vdc           DC range voltage         42 - 62 Vdc           Maximum discharge current         80 A         200 A           Maximum discharge current (PV/GRID)         60 A / 60 A         160 A / 120 A           Type of batteries         Lead-acid, Lithium <sup>20</sup> Charging curve         3-phase (Bulk / Absorption / Float)           Maximum efficiency         PV -> battery : >94% / Battery> AC :>93%           Battery charge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)	MPPT voltage range (Vmpp)	120 V – 480 V	380 V – 750 V
Maximum input voltage (Voc)         560 V         850 V           Maximum efficiency         DC to AC : >95,5% (95,2% EU)           BATTERY & CHARGE           DC nominal voltage         48 Vdc           DC range voltage         42 - 62 Vdc           Maximum discharge current         80 A         200 A           Max charging current (PV/GRID)         60 A / 60 A         160 A / 120 A           Type of batteries         Lead-acid, Lithium <sup>20</sup> Charging curve         3-phase (Bulk / Absorption / Float)           Maximum efficiency         PV - battery : >94% / Battery <-> AC :>93%           Battery charge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid)           Battery discharge         Programmable (threshold / timing: multiple range by AC Grid) <t< th=""><th>Maximum input current (Impp)</th><th>18 A</th><th>2 x 18 A</th></t<>	Maximum input current (Impp)	18 A	2 x 18 A
Maximum efficiency	Maximum short-circuit current (Isc)	18 A	2 x 23 A
BATTERY & CHARGE  DC nominal voltage  DC range voltage  42 - 62 Vdc  Maximum discharge current  80 A  200 A  Max charging current (PV/GRID)  60 A / 60 A  160 A / 120 A  Type of batteries  Charging curve  3-phase (Bulk / Absorption / Float)  Maximum efficiency  PV -> battery : >94% / Battery <-> AC : >93%  Battery charge  Programmable (1 bresholds according to grid availability)  Battery discharge  Programmable (2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d)  Protection category  Weight  19 kg  51 kg  Technology  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  RAM: 8 GO of storage - Artificial Intelligence Inside - IOT Ready  Wiff 802.11 blg/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)  1 CAN bus - 2 RS485 - 1 relay 230 V 16A  4 analog inputs: 1 temperature probe - 3 electrical measurements  Conditions of use  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN VDE V 0126-1.1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0126-1.10 / TF3.2.1 / CEI - 0.21 / RD 1699 (9)	Maximum input voltage (Voc)	560 V	850 V
DC nominal voltage	Maximum efficiency	DC to AC : >95,5% (95,2% EU)	
DC range voltage  Maximum discharge current  80 A  200 A  Max charging current (PV/GRID)  60 A / 60 A  Lead-acid, Lithium <sup>20</sup> Charging curve  3-phase (Bulk / Absorption / Float)  Maximum efficiency  PV -> battery : >94% / Battery <> AC : >93%  Battery charge  Programmable (threshold / ftiming: multiple range by AC Grid)  Battery discharge  Programmable (2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d)  Protection category  Weight  19 kg  51 kg  Technology  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  OS / Processor  Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Technology (4)  1 / O Connectors  Lead-acid, Lithium <sup>20</sup> 1 / O Connectors  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (-VFR2019) / VDE-AR-N 4105 /  DIN VDE V 0124-100 / TF3.2.1 / CEI- 0.21 / RD 1699 (9)	BATTERY & CHARGE		
Maximum discharge current  Max charging current (PV/GRID)  60 A / 60 A  160 A / 120 A  Type of batteries  Charging curve  3-phase (Bulk / Absorption / Float)  Maximum efficiency  PV-> battery: >94% / Battery <-> AC: >93%  Battery charge  Programmable (1 threshold / timing: multiple range by AC Grid)  Battery discharge  Programmable (2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d)  Protection category  Weight  19 kg  51 kg  Technology  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  RAM: 8 GO of storage - Artificial Intelligence Inside - IOT Ready  I/ O Connectors  Wiff 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)  1 CAN bus - 2 RS485 - 1 relay 230 V 16A  4 analog inputs: 1 temperature probe - 3 electrical measurements  Conditions of use  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN VDE V 0126-1-1 (*VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0.21 / RD 1699 (5)	DC nominal voltage	48 Vdc	
Max charging current (PV/GRID)  Type of batteries  Lead-acid, Lithium <sup>(2)</sup> 3-phase (Bulk / Absorption / Float)  Maximum efficiency  PV -> battery : >94% / Battery <-> AC : >93%  Battery charge  Programmable (threshold / timing: multiple range by AC Grid)  Battery discharge  Programmable (2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d)  Protection category  Weight  19 kg  51 kg  Technology  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  RAM : 8 GO of storage - Artificial Intelligence Inside - IOT Ready  I/O Connectors  Conditions of use  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V/DE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN V/DE V 0124-100 / TFR3.2.1 / CEI- 0 21 / RD 1699 (69)	DC range voltage	42 - 62 Vdc	
Type of batteries  Charging curve  3-phase (Bulk / Absorption / Float)  Maximum efficiency  PV >> battery : >94% / Battery <> AC : >93%  Battery charge  Programmable (threshold / timing: multiple range by AC Grid)  Battery discharge  Programmable (2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d)  440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch  Protection category  IP 20 (indoor installation)  Weight  19 kg  51 kg  Technology  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  OS . Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits  RAM : 8 GO of storage - Artificial Intelligence Inside - IOT Ready  I/O Connectors  Viffs 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)  1 CAN Dus - 2 RS485 - 1 relay 230 V 16A  4 analog inputs : 1 temperature probe - 3 electrical measurements  Conditions of use  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 /  DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Maximum discharge current	80 A	200 A
Charging curve  3-phase (Bulk / Absorption / Float)  Maximum efficiency  PV -> battery: >94% / Battery <> AC: >93%  Battery charge  Programmable (threshold / timing: multiple range by AC Grid)  Battery discharge  Programmable (2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d)  Protection category  IP 20 (indoor installation)  Weight  19 kg  Technology  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  RAM: 8 GO of storage - Artificial Intelligence Inside - IOT Ready  I/O Connectors  Wiff 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)  1 CAN bus - 2 RS485 - 1 relay 230 V 16A  4 analog inputs: 1 temperature probe - 3 electrical measurements  Humidity level: 0 to 90% without condensation  T°C: -20 to + 50°C, degressive power >40°C (15W)°C)  EN 62109-2 / EN 62109-1 / EN 6200-1 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Max charging current (PV/GRID)	60 A / 60 A	160 A / 120 A
Maximum efficiencyPV -> battery : >94% / Battery <> AC : >93%Battery chargeProgrammable (threshold / timing: multiple range by AC Grid)Battery dischargeProgrammable (2 thresholds according to grid availability)GENERALDimensions (w x h x d)440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch580 x 800 x 240 mm / 22.85 x 31.5 x 9.45 inchProtection categoryIP 20 (indoor installation)Weight19 kg51 kgTechnologyTL (transformless)Operating modeSmart grid / Back up - UPS / Off grid / On grid / VPP ReadyOS / ProcessorSmart grid / Back up - UPS / Off grid / On grid / VPP ReadyOS / ProcessorQS: Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM: 8 GO of storage - Artificial Intelligence Inside - IOT ReadyI/O ConnectorsWifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 CAN bus - 2 RS485 - 1 relay 230 V 16A 4 analog inputs: 1 temperature probe - 3 electrical measurementsConditions of useHumidity level: 0 to 90% without condensation T°C: -20 to + 50°C, degressive power >40°C (15W/°C)ComplianceEN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI-0 21 / RD 1699 (6)	Type of batteries	Lead-acid, Lithium <sup>(2)</sup>	
Battery charge Programmable (threshold / timing: multiple range by AC Grid) Battery discharge Programmable (2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d) 440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch 580 x 800 x 240 mm / 22.85 x 31.5 x 9.45 inch  Protection category IP 20 (indoor installation)  Weight 19 kg 51 kg  Technology TL (transformless)  Operating mode Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor Processor Processor Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  I / O Connectors Processor Processor Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)  1 CAN bus - 2 RS485 - 1 relay 230 V 16A  4 analog inputs : 1 temperature probe - 3 electrical measurements  Conditions of use Pumplify level: 0 to 90% without condensation  T°C: -20 to + 50°C, degressive power > 40°C (15W)°C)  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Charging curve	3-phase (Bulk / Absorption / Float)	
Battery discharge  Programmable ( 2 thresholds according to grid availability)  GENERAL  Dimensions (w x h x d)  440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch  Frotection category  By 20 (indoor installation)  Weight  19 kg  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  OS / Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM : 8 GO of storage - Artificial Intelligence Inside - IOT Ready  Wiff 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)  1 CAN bus - 2 RS485 - 1 relay 230 V 16A  4 analog inputs : 1 temperature probe - 3 electrical measurements  Conditions of use  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Maximum efficiency	PV -> battery : >94% / Battery <> AC : >93%	
GENERAL         Dimensions (w x h x d)         440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch         580 x 800 x 240 mm / 22.85 x 31.5 x 9.45 inch           Protection category         IP 20 (indoor installation)           Weight         19 kg         51 kg           Technology         TL (transformless)           Operating mode         Smart grid / Back up - UPS / Off grid / On grid / VPP Ready           OS : Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM : 8 GO of storage - Artificial Intelligence Inside - IOT Ready           Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)           1 CAN bus - 2 RS485 - 1 relay 230 V 16A         4 analog inputs : 1 temperature probe - 3 electrical measurements           Conditions of use         Humidity level: 0 to 90% without condensation T°C: -20 to + 50°C, degressive power >40°C (15W)°C)           EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI-0 21 / RD 1699 (5)	Battery charge		
Dimensions (w x h x d)         440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch         580 x 800 x 240 mm / 22.85 x 31.5 x 9.45 inch           Protection category         IP 20 (indoor installation)           Weight         19 kg         51 kg           Technology         TL (transformless)           Operating mode         Smart grid / Back up - UPS / Off grid / On grid / VPP Ready           OS / Processor         OS: Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM : 8 GO of storage - Artificial Intelligence Inside - IOT Ready           Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 CAN bus - 2 RS485 - 1 relay 230 V 16A 4 analog inputs : 1 temperature probe - 3 electrical measurements           Conditions of use         Humidity level: 0 to 90% without condensation T°C: -20 to +50°C, degressive power >40°C (15W)°C)           Compliance         EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (6)	Battery discharge	Programmable ( 2 thresholds according to grid availability)	
Protection category  Weight  19 kg  51 kg  Technology  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  OS: Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM: 8 GO of storage - Artificial Intelligence Inside - IOT Ready  Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 / O Connectors  Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 CAN bus - 2 RS485 - 1 relay 230 V 16A 4 analog inputs: 1 temperature probe - 3 electrical measurements  Conditions of use  Compliance  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	GENERAL		
Weight19 kg51 kgTechnologyTL (transformless)Operating modeSmart grid / Back up - UPS / Off grid / On grid / VPP ReadyOS / ProcessorOS: Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM: 8 GO of storage - Artificial Intelligence Inside - IOT ReadyI/O ConnectorsWifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 CAN bus - 2 RS485 - 1 relay 230 V 16A 4 analog inputs: 1 temperature probe - 3 electrical measurementsConditions of useHumidity level: 0 to 90% without condensation T°C: -20 to + 50°C, degressive power >40°C (15W)°C)ComplianceEN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Dimensions (w x h x d)	440 x 580 x 165 mm / 17.35 x 22.85 x 6.50 inch	580 x 800 x 240 mm / 22.85 x 31.5 x 9.45 inch
Technology  TL (transformless)  Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  OS: Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM : 8 GO of storage - Artificial Intelligence Inside - IOT Ready  Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 CAN bus - 2 RS485 - 1 relay 230 V 16A 4 analog inputs : 1 temperature probe - 3 electrical measurements  Conditions of use  Compliance  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Protection category	IP 20 (inc	
Operating mode  Smart grid / Back up - UPS / Off grid / On grid / VPP Ready  OS / Processor  OS: Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM: 8 GO of storage - Artificial Intelligence Inside - IOT Ready  Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 CAN bus - 2 RS485 - 1 relay 230 V 16A 4 analog inputs: 1 temperature probe - 3 electrical measurements  Conditions of use  Compliance  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Weight	19 kg	51 kg
OS: Linux Debian - CPU: ARM Cortex (Texas Instrument) 32 bits RAM: 8 GO of storage - Artificial Intelligence Inside - IOT Ready  Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4) 1 CAN bus - 2 RS485 - 1 relay 230 V 16A 4 analog inputs: 1 temperature probe - 3 electrical measurements  Conditions of use  Humidity level: 0 to 90% without condensation T°C: -20 to + 50°C, degressive power >40°C (15W/°C)  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Technology	TL (transformless)	
RAM : 8 GO of storage - Artificial Intelligence Inside - IOT Ready    Wifi 802.11 b/g/n 2.4 GHz - 2 USB 2 - 1 Ethernet IP - OTA Technology (4)   1 CAN bus - 2 RS485 - 1 relay 230 V 16A   4 analog inputs : 1 temperature probe - 3 electrical measurements    Conditions of use	Operating mode	Smart grid / Back up - UPS / Off grid / On grid / VPP Ready	
1 / O Connectors       1 CAN bus - 2 RS485 - 1 relay 230 V 16A         4 analog inputs : 1 temperature probe - 3 electrical measurements         Conditions of use       Humidity level: 0 to 90% without condensation         T°C: -20 to + 50°C, degressive power >40°C (15W/°C)         Compliance       EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 / DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	OS / Processor		
T°C: -20 to + 50°C, degressive power >40°C (15W/°C)  EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 /  DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	I / O Connectors	1 CAN bus - 2 RS485 - 1 relay 230 V 16A	
DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (5)	Conditions of use		
DIN VDE V 0124-100 / TF3.2.1 / CEI- 0 21 / RD 1699 (9)	0 "	EN 62109-2 / EN 62109-1 / EN 62040-1 / DIN V VDE V 0126-1-1 (+VFR2019) / VDE-AR-N 4105 /	
Guarantee 10 years (a) / Extension to 20 years (optional)	Compliance	DIN VDE V 0124-100 /	TF3.2.1 / CEI- 0 21 / RD 1699 <sup>(5)</sup>
	Guarantee	10 years (a) / Extension to 20 years (optional)	











 $<sup>^{(2)}</sup>$  Only brands compatible with IMEON.

<sup>(4)</sup> Over-The-Air









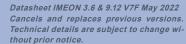












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 $<sup>^{(3)}</sup>$  An Internet connection must be established for minimum of

<sup>95 %</sup> of operating time.