

Bidirectional HV Three Phase Inverter Series

E2L™

P315E



Bidirectional, High Voltage Modular, Three Phase, Solar inverters from 4 KW to 110 KW per unit for Hybrid Solar Applications (European Compliance)

The P315 Series (ESIB03XP), offers a range of modular inverters from 4KW to 110KW ideally suited for applications where energy feed-in to the grid is required.

Features include among others, the possibility of dual output to prioritize critical load over standard load in case of low battery conditions.

Units may be connected in parallel (up to 6) to increase power in Three phase configurations.

The P315 series include USB, Dry contact, CAN, RS232, RS485, WiFi, and Optional SNMP or MODBUS Cards to connect to other control devices while providing an easy web interface to the end-user.

The ESIB03XP™ Inverter Series

The ESIB03XP inverters are built in modules of 10W, 12KW, 15KW, 30KW and 50KW each that can be connected in parallel in to reach a maximum power of 200KW (4x50KW) in three phase configuration.

The ESIB03XP inverters are battery agnostic allowing them to be used with any type of battery (Lead Acid, ELA, Lithium, ...). The ESIB03XP inverters operate modular battery units that can also be increased based on client needs. They allow the user to gradually upgrade in either power or Battery size at will in order to gradually adapt the system with his growing energy needs.

The ESIB03XP inverters are fitted with a WiFi wireless connection that connects the client to an application allowing him to remotely monitor his energy system. They are highly compact and efficient allowing substantial savings in space and energy.

The ESIB03XP™ Inverters exceptional design meets basic modern requirements in terms of energy efficiency and environmental friendly applications for residential, business and Industrial applications.

E24's inverters employ transformerless high-frequency technology to offer the highest efficiency while remaining silent during its operation.

- **Outdoor installation (IP 65 Waterproof)**
- **320 to 1000 Vdc Solar input**
- **Super compact**
- **Works with or without solar panels**
- **Wide Utility/Generator input voltage**
- **Intuitive large LCD display**
- **Built-in AC coupled function**
- **Seamless Unattended operation**
- **Pure Sine Wave Output**
- **150% Unbalanced load support**
- **Up to 96 % efficiency**
- **Unity power factor**
- **Up to 6 Units in Parallel (4 units for 30KW and 50KW)**
- **Multiple Communication Ports (RS485, CAN-BUS, RS232, Dry Contact for BMS)**
- **Battery Equalization to extend battery life**
- **USB-ON-THE-GO function**
- **Easy Replaceable Fans**
- **OPTIONAL Automatic control of Generator**



4 to 20KW



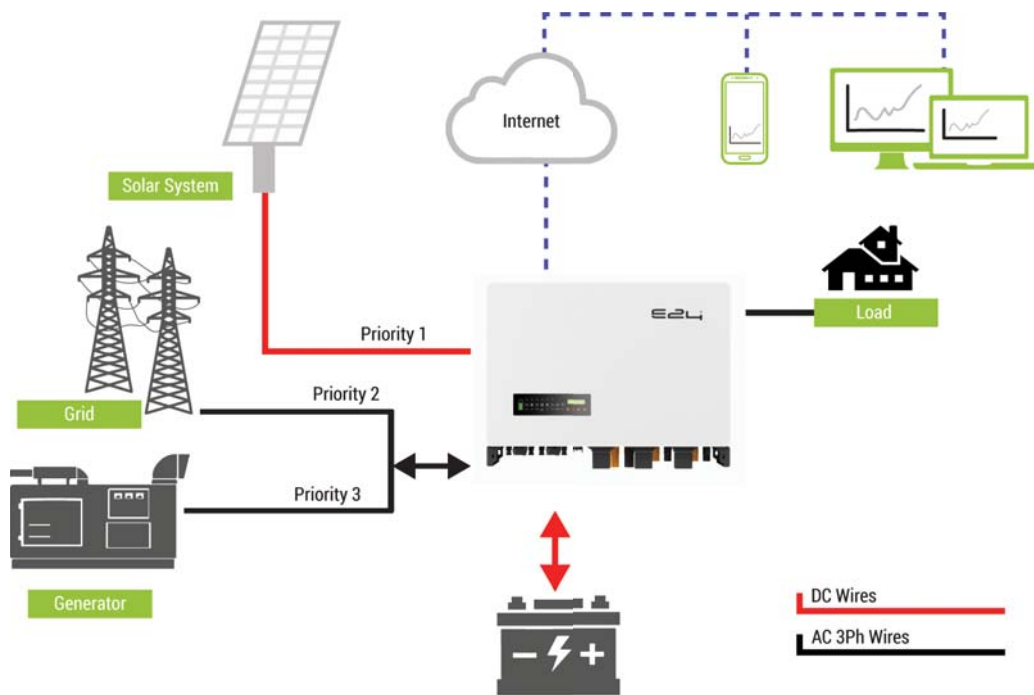
25 to 50KW



60 to 110KW

The ESIB03XP™ Unmatched Features

The ESIB03XP™ Hybrid Inverter Series is engineered to adapt to almost multiple existing number of energy sources in a manner to optimise energy costs and minimize generator operation while offering immediate power backup to the user.



E24 Bidirectional inverter with Dual Output Topology

Works with or without solar panels

The ESIB03XP inverters charge the batteries from either the solar energy or the utility supply/back-up generator. If you do not install solar panels, the unit will still operate by only charging from your utility/generator. Off-course we recommend that you install solar panels in order to save on the cost of fuel and utilities.

Wide Utility/Generator input voltage

The ESIB03XP inverters accept a wide range of input voltage to remain fully compatible with your utility and generator voltage outputs

Intuitive large LCD display

The ESIB03XP inverters have a built in LCD display that provide intuitively all the data about the generated, stored or consumed energy.

Super compact - Fits Anywhere

The ESIB03XP inverters are wall mounted taking limited space on your wall. The battery can be installed at a few meters away in an attic or an unused space in your home or business.

Programmable priority of energy sources:

The ESIB03XP™ may be programmed by default to priorities the energy source available to either supply the load directly or charge the batteries. Any unused renewable energy generated may be fed back to the grid for Net-metering benefits. Other priority configurations can be programmed at will.

Seamless, easy operation:

The ESIB03XP™ is engineered to operate without any user intervention. There is no need to push any buttons or understand how it works. It simply does.

Strong Overload Capability

The ESIB03XP™ inverter is capable of handling overloads of 110% - 125% / 150% for 10s / 5s respectively under unbalanced load.

Power Walk In

Power Walk In function allows the rectifier of each unit to be turned on progressively and in sequences in order to avoid the sudden load on generators.

Dry Contacts

The ESIB03XP™ Series includes dry contacts that can be used to trigger certain actions like the automatic start-up of a diesel generator when battery is low and its shutdown when battery is charged.

Comprehensive Communication Options

Communications options include: RS232, RS485, Can, , Dry Contacts, Wifi, Modbus (option), SNMP adaptor (Option), GPRS (Option)

Low input current total harmonic distortion (THDi)

The ESIB03XP™ Hybrid Inverter Series actively manages the input current total harmonic distortion (THDi) at a low level (2 percent at 100 percent load). E24's unique technology neutralizes the emission of harmonics at the input of the Hybrid Inverter system, providing greater reliability of operations for circuit breakers and extending the overall service life of the equipment. Low harmonic distortion saves unnecessary over sizing of gensets, cabling and circuit breakers, avoids extra heating of input transformers and extends the overall service life of all Hybrid Inverter stream components.

DSP Technology

The ESIB03XP™ Hybrid Inverter is built on advance Digital Signal Processing technology in order to provide high performance steady and accurate operation over its lifetime while offering outstanding efficiency (up to 96% in online mode).

Standards

The ESIB03XP™ Hybrid Inverter complies to EN 60950-1 standards.

Intelligent Battery Management

The ESIB03XP™ Hybrid Inverter includes an intelligent battery charger that offers a float/boost charger and a dynamic cut-off level that reduces battery maintenance and improves battery life.

Modularity up to 6 units (30KW and 50KW up to 4 Units)

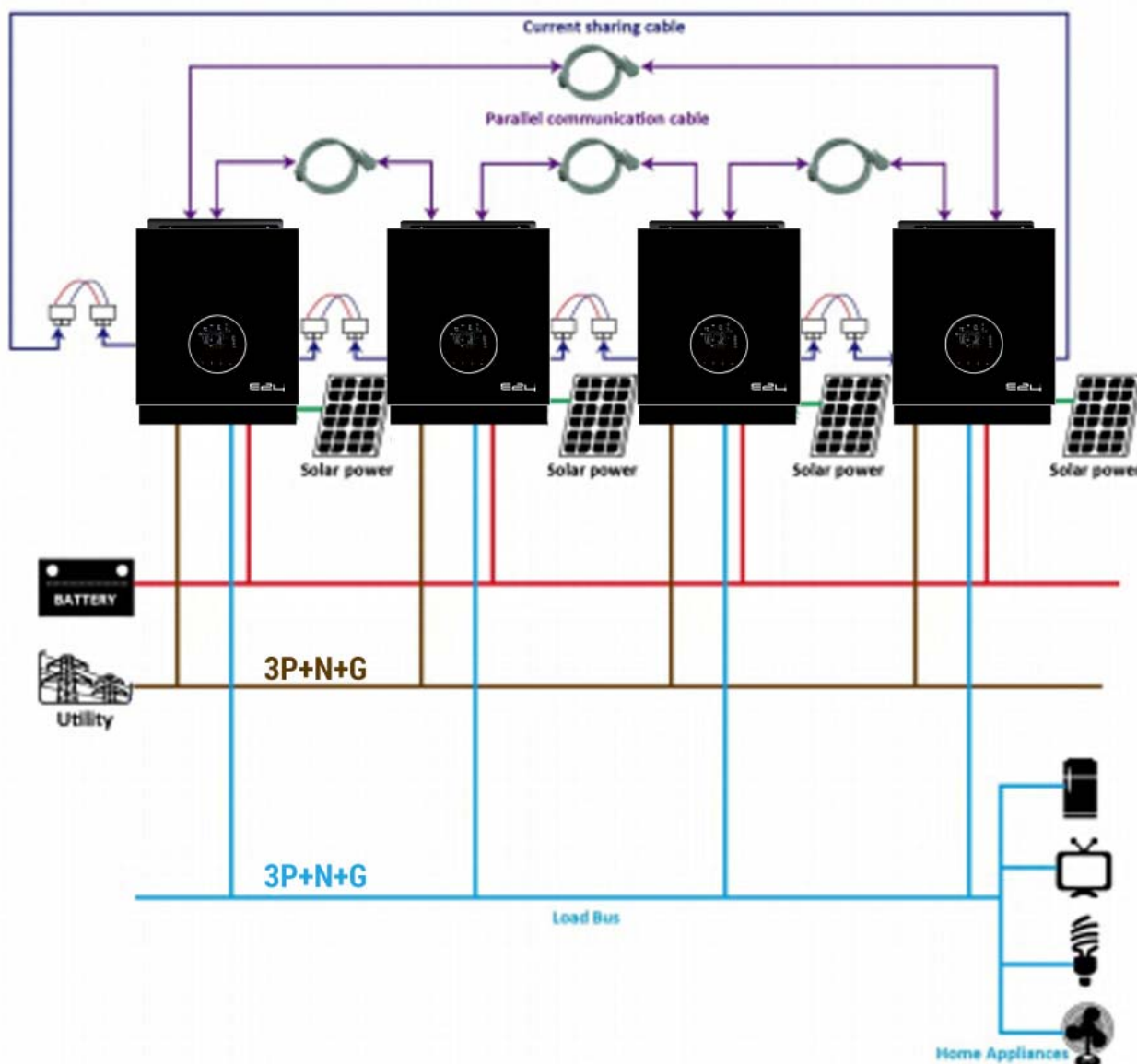
Up to 6 units can be positioned in parallel to provide an maximum power out in three-phase configuration.

Wide Solar Input Voltage Range

Most inverters of small power capacity have an input voltage from solar PVs limited to 100-150Vdc maximum. This limits the numbers of Solar panels that be installed in series rather than in parallel which decreases the energy generation performance. The ESIB03XP inverters can accept Solar input voltage from 350 to 900Vdc (MPPT tracking). Max Solar DC voltage is 1000Vdc.

Fully Protection

The ESIB03XP is fully automated with large number of protection features built-in. The unit includes surges arrestors and input fuses to protect against input surges. The unit also includes overload protection circuitry that is easily user resettable in case of inadvertently connecting a load above the unit capacity.



Pure Sine Wave Output

The unit provides an impeccable Sine wave output with no noise or any possible interference with your appliances or equipment.

150% start-up power capacity

When turning on electrical equipment, some have high in-rush current at start-up. Air conditioning units, pumps, motors, laser printers, photocopiers, are typical examples of high in-rush current equipment. The ESIB03XP are capable of providing 1.5X the rated capacity of the inverter during the starting up of your equipment allowing you to save on the size of the inverter required.

Up to 96 % efficiency

The ESIB03XP use the latest high frequency SPWM technology to provide the highest operation efficiency bring the highest possible return on investment.

Unity power factor

An inverter of 3KVA with a power factor of 0.8 is in reality a 2.4KW inverter. E24 inverters are rated at unity power factor delivering 10KW for 10KVA inverters and 15KW for 15KVA inverter and so on.

Multiple Communication Ports (Wifi, RS485, RS232, CAN, Dry Contact for BMS)

Communication ports are used to exchange information between different systems in order build a fully integrated solution. When using lithium batteries, it is necessary for the batteries to exchange information with the inverter. Similarly, when using an E24 optional Energy Storage controller, it is necessary for the controller to read information from the inverter and battery for it to take the proper decisions (for example start the generator etc...)

Battery Equalization to extend battery life

When operating multiple batteries in series for a given time, some batteries may be slightly more charged than others. As a result the entire system may lose some of its performance due to the fact that batteries are not 100% equal to each other. The ESIB03XP includes an internal algorithm that forces batteries to equalize which substantially increase system performance and battery life.

USB-ON-THE-GO function

The ESIB03XP include a USB port to plug a USB drive in order to download historical data of the system that can be used for analysis and to rapidly program the inverter from a laptop.

Dual Output

ESIB03XP series has 2 separate outputs allowing the user to perform load management where one output is at a higher priority than the other. This offers users the option to disconnect one output in the event where battery is starting to deplete in order to extend runtime on the priority output.

Easy Replaceable Fans

One of the components that must be replaced with time on inverters are the fans that run continuously. These fans must be easy to replace in order to avoid downtime. The ESIB03XP is engineered in a way to allow easy replacement of the fans with minimal complexity and downtime.

OPTIONAL Automatic control of Generator

When used with the E24 optional Energy Controller it is possible to automatically start and stop an auxiliary generator in the event where the power drawn by the load either exceeds a preset level or when batteries start to be depleted.

The controller will automatically shut down the generator when the load is decreased below the preset maximum load or when the battery capacity is restored.

ESIB03XP™ Technical Specifications (European Models in 400/230Vac)

| Model | ESIB03XP-XXX | 8KI | 10KI | 12KI | 16KI | 20KI | 24KI | 30KI | 36KI | 40KI |
|---|--|----------|------|------|-------|----------|-------|-------|-------|------|
| Battery Data | | | | | | | | | | |
| Battery type | Li-ion | | | | | | | | | |
| Battery voltage range(V) | 80~800 | | | | | | | | | |
| Max. charging/discharging current(A) | 60/60 | | | | | | | | | |
| Rated charging current/discharging current(A) | 50/50 | | | | | | | | | |
| Charging strategy for Li-ion battery | Self-adaption to BMS | | | | | | | | | |
| Communications | RS485, CAN | | | | | | | | | |
| PV String DC Input Data | | | | | | | | | | |
| Recommended max. PV power(KW) | 8 | 10 | 12 | 16 | 20 | 24 | 30 | 36 | 40 | |
| Max. input voltage(V) | 1100 | | | | | | | | | |
| Start-up voltage(V)/ Min.input DC operation voltage(V) | 50/40 | | | | | | | | | |
| MPPT voltage range(V) | 100~1000 | | | | | | | | | |
| Max. input current(A) | 20/20 | 20/20/20 | | | | 20/20/40 | | | | |
| Max. short circuit current(A) | 30/30 | 30/30/30 | | | | 30/30/60 | | | | |
| MPPT number | 2 | 3 | | | | 3 | | | | |
| Strings number per MPPT | 1/1 | 1/1/1 | | | | 1/1/2 | | | | |
| AC Output Data(On-Grid Side) | | | | | | | | | | |
| Rated output power(KW) | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 18 | 20 | |
| Rated/Max. apparent output power(KVA) | 4/4 | 5/5 | 6/6 | 8/8 | 10/10 | 12/12 | 15/15 | 18/18 | 20/20 | |
| Rated grid output current(A) | 5.8 | 7.2 | 8.7 | 11.6 | 14.5 | 17.4 | 21.7 | 26.1 | 29.0 | |
| Max. output current(A) | 5.8 | 7.2 | 8.7 | 11.6 | 14.5 | 17.4 | 21.7 | 26.1 | 29.0 | |
| Operation phase | 3P | | | | | | | | | |
| Rated grid voltage/range(V) (3P/N/PE) | 220/380, 230/400, 240/415, 312~520 | | | | | | | | | |
| Rated grid frequency(Hz) | 50/60 | | | | | | | | | |
| Power Factor | >0.99, (-0.8 to +0.8 adjustable) | | | | | | | | | |
| THDi | < 3 % | | | | | | | | | |
| AC Output Data(Back-Up/UPS Side) | | | | | | | | | | |
| Rated output power(KW) | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 18 | 20 | |
| Peak apparent output power(KW), for 60S | 8 | 10 | 12 | 16 | 20 | 24 | 30 | 36 | 40 | |
| Back-Up/UPS switch time(ms) | <10 | | | | | | | | | |
| Rated output voltage/range(V) (3P/N/PE) | 220/380, 230/400, 240/415, 312~520 | | | | | | | | | |
| Rated frequency(Hz) | 50/60 | | | | | | | | | |
| Rated output current(A) | 5.8 | 7.2 | 8.7 | 11.6 | 14.5 | 17.4 | 21.7 | 26.1 | 29.0 | |
| THDv(@linear load) | < 2% | | | | | | | | | |
| Efficiency | | | | | | | | | | |
| Max. efficiency | 98.8% | | | | | | | | | |
| EU efficiency | 98.3% | | | | | | | | | |
| Protection | | | | | | | | | | |
| Ground fault monitoring | Yes | | | | | | | | | |
| Output over voltage protection | Yes | | | | | | | | | |
| Anti-islanding protection | Yes | | | | | | | | | |
| Integrated AFCI | Optional | | | | | | | | | |
| DC reverse-polarity protection | Yes | | | | | | | | | |
| AC short circuit protection | Yes | | | | | | | | | |
| Leakage current protection | Yes | | | | | | | | | |
| Surge protection | Yes | | | | | | | | | |
| DC switch(solar) | Yes | | | | | | | | | |
| Battery input reverse polarity protection | Yes | | | | | | | | | |
| Over voltage category | AC ClassIII/PV ClassII | | | | | | | | | |
| General Data | | | | | | | | | | |
| Dimensions(mm) (W*H*D) | 507*522*194 | | | | | | | | | |
| Shell material | Aluminium alloy | | | | | | | | | |
| Weight(Kg) | 25 | | | | | | | | | |
| Operating ambient temperature range | -25~60 °C | | | | | | | | | |
| Topology | Transformerless | | | | | | | | | |
| Ingress protection | IP66 | | | | | | | | | |
| Cooling concept | Smart fan&Natural convection | | | | | | | | | |
| Max. operation altitude(m) | 3000 | | | | | | | | | |
| Grid connection standard | AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEIO-21, CEIO-16, RD1699, NA/IEEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161 | | | | | | | | | |
| Safety/EMC standard | IEC-62109-1/-2, IEC-61000-6-1/-2/-3, NB/T32004 | | | | | | | | | |
| DC connection | MC4/D4 | | | | | | | | | |
| Communications | Wifi, 4G, GPRS, Bluetooth, RS485, CAN | | | | | | | | | |

| Model | ESIBO3XP-40KI | ESIBO3XP-47KI | ESIBO3XP-48KI | ESIBO3XP-56KI | ESIBO3XP-64KI | ESIBO3XP-72KI | ESIBO3XP-80KI |
|--|---|---------------|---------------|---------------|---------------|---------------|---------------|
| Battery Data | | | | | | | |
| Battery type | Li-ion | | | | | | |
| Battery voltage range(V) | 200-800 | | | | | | |
| Max. charging/discharging current(A) | 60A + 60A/120A | | | | | | |
| Rated charging current /discharging current(A) | 50A + 50A/100A | | | | | | |
| Number of battery input | 2/1 | | | | | | |
| Charging strategy for Li-ion battery | Self-adaption to BMS | | | | | | |
| Communications | RS485, CAN | | | | | | |
| PV String DC Input Data | | | | | | | |
| Recommended max. PV power(KW) | 40 | 47.84 | 48 | 56 | 64 | 72 | 80 |
| Max. input voltage(V) | 1100 | | | | | | |
| Start-up voltage(V)/ | 50/40 | | | | | | |
| Min. input DC operation voltage(V) | 100~1000 | | | | | | |
| MPPT voltage range(V) | 40/40/40/40 | | | | | | |
| Max. input current(A) | 60/60/60/60 | | | | | | |
| Max. short circuit current(A) | 4 | | | | | | |
| MPPT number | 2 | | | | | | |
| Strings number per MPPT | 2 | | | | | | |
| AC Output Data(On-Grid Side) | | | | | | | |
| Rated output power(KW) | 25 | 29.9 | 30 | 35 | 40 | 45 | 50 |
| Rated/Max. apparent output power(KVA) | 25/25 | 29.9/29.9 | 30/30 | 35/35 | 40/40 | 45/45 | 50/50 |
| Rated grid output current(A) | 36.2 | 43.3 | 43.5 | 50.7 | 58.0 | 65.2 | 72.5 |
| Max. output current(A) | 36.2 | 43.3 | 43.5 | 50.7 | 58.0 | 65.2 | 72.5 |
| Operation phase | 3P | | | | | | |
| Rated grid voltage/ range(V) (3P/N/PE) | 220/380, 230/400, 240/415, 312~520 | | | | | | |
| Rated grid frequency(Hz) | 50/60 | | | | | | |
| Power Factor | >0.99, (-0.8 to +0.8 adjustable) | | | | | | |
| THDi | < 3 % | | | | | | |
| AC Output Data(Back-Up/UPS Side) | | | | | | | |
| Rated output power(KW) | 25 | 29.9 | 30 | 35 | 40 | 45 | 50 |
| Peak apparent output power(KW), for 60S | 50 | 58.8 | 60 | 70 | 80 | 90 | 100 |
| Back-Up/UPS switch time(ms) | <10 | | | | | | |
| Rated output voltage/ range(V) (3P/N/PE) | 220/380, 230/400, 240/415, 312~520 | | | | | | |
| Rated frequency(Hz) | 50/60 | | | | | | |
| Rated output current(A) | 36.2 | 43.3 | 43.5 | 50.7 | 58.0 | 65.2 | 72.5 |
| THDv(@linear load) | < 2% | | | | | | |
| Efficiency | | | | | | | |
| Max. efficiency | 98.8% | | | | | | |
| EU efficiency | 98.3% | | | | | | |
| Protection | | | | | | | |
| Ground fault monitoring | Yes | | | | | | |
| Output over voltage protection | Yes | | | | | | |
| Anti-islanding protection | Yes | | | | | | |
| Integrated AFCI | Optional | | | | | | |
| DC reverse-polarity protection | Yes | | | | | | |
| AC short circuit protection | Yes | | | | | | |
| Leakage current protection | Yes | | | | | | |
| Surge protection | Yes | | | | | | |
| DC switch(solar) | Yes | | | | | | |
| Battery input reverse polarity protection | Yes | | | | | | |
| Over voltage category | AC ClassIII/PV ClassII | | | | | | |
| General Data | | | | | | | |
| Dimensions(mm) (W*H*D) | 800*631*315.5 | | | | | | |
| Shell material | Aluminium alloy | | | | | | |
| Weight(Kg) | 72 | | | | | | |
| Operating ambient temperature range | -25~60 °C | | | | | | |
| Topology | Transformerless | | | | | | |
| Ingress protection | IP66 | | | | | | |
| Cooling concept | Smart fan&Natural convection | | | | | | |
| Max. operation altitude(m) | 3000 | | | | | | |
| Grid connection standard | AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CEI-21, CEI-16, RD1699, NA/IEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161 | | | | | | |
| Safety/EMC standard | IEC-62109-1/-2, EC-61000-6-1/-2/-3, NB/T32004 | | | | | | |
| DC connection | MC4/D4 | | | | | | |
| Communications | Wifi, 4G, GPRS, Bluetooth, RS485, CAN | | | | | | |

| Model | ESIBO3XP-75KI | ESIBO3XP-80KI | ESIBO3XP-90KI | ESIBO3XP-100KI | ESIBO3XP-110KI |
|---|---|---------------|---------------|----------------|----------------|
| Battery Input Data | | | | | |
| Battery type | Li-ion | | | | |
| Battery voltage range(V) | 300~800 | | | | |
| Max. charging/discharging current(A) | 160/160 | | | | |
| Rated Charging current(A) | 160 | | | | |
| Max. Charging/Discharging Power | 75KW | 80KW | 90KW | 100KW | 110KW |
| Charging Strategy for Li-ion battery | Self-adaption to BMS | | | | |
| Communications | RS485, CAN | | | | |
| PV String DC Input Data | | | | | |
| Recommended max. PV power(KW) | 150 | 160 | 180 | 200 | 220 |
| Max. input voltage(V) | 1000 | | | | |
| Start-up voltage(V)/ Min.input DC operation voltage(V) | 50/40 | | | | |
| MPPT voltage range(V) | 100~900 | | | | |
| Max. input current(A) | 7*40 | | 9*40 | | |
| Max. short circuit current(A) | 7*60 | | 9*60 | | |
| MPPT number | 7 | | 9 | | |
| Strings number per MPPT | 2/14 | | 2/18 | | |
| AC Output Data(On-Grid Side) | | | | | |
| Rated output power(KW) | 75 | 80 | 90 | 100 | 110 |
| Rated/Max. apparent output power(KVA) | 75/75 | 80/80 | 90/90 | 100/100 | 110/110 |
| Rated grid output current(A) | 108.7 | 115.9 | 130.4 | 144.9 | 159.4 |
| Max. output current(A) | 108.7 | 115.9 | 130.4 | 144.9 | 159.4 |
| Operation phase | 3P/N/PE | | | | |
| Rated grid voltage(V) (3P/N/PE) | 220V/380V, 230V/400V, 240V/415 | | | | |
| Rated grid frequency(Hz) | 50/60 | | | | |
| Power Factor | >0.99 (0.8 leading ~ 0.8 lagging) | | | | |
| THDi | < 3 % | | | | |
| AC Output Data(Back-Up/UPS Side) | | | | | |
| Rated output power(KW) | 75 | 80 | 90 | 100 | 110 |
| Peak apparent output power(KW), for 60S | 110% - 150 % of rated power | | | | |
| Back-Up/UPS switch time(ms) | <10 | | | | |
| Rated output voltage/range(V) (3P/N/PE) | 220/380, 230/400, 240/415, 312~520 | | | | |
| Rated frequency(Hz) | 50/60 | | | | |
| Rated output current(A) | 108.7 | 115.9 | 130.4 | 144.9 | 159.4 |
| THDv(@linear load) | < 2% | | | | |
| Efficiency | | | | | |
| Max. efficiency | 98.8% | | | | |
| EU efficiency | 98.3% | | | | |
| Protection | | | | | |
| Ground fault monitoring | Yes | | | | |
| Output over voltage protection | Yes | | | | |
| Anti-islanding protection | Yes | | | | |
| Integrated AFCI | Optional | | | | |
| DC reverse-polarity protection | Yes | | | | |
| AC short circuit protection | Yes | | | | |
| Leakage current protection | Yes | | | | |
| Surge protection | Yes | | | | |
| DC switch(solar) | Yes | | | | |
| Battery input reverse polarity protection | Yes | | | | |
| Over voltage category | AC ClassIII/PV ClassII/BAT ClassII | | | | |
| General Data | | | | | |
| Dimensions(mm) (W*H*D) | 1323*978*338 | | | | |
| Shell material | Aluminium alloy | | | | |
| Weight(Kg) | 110 | | | | |
| Operating ambient temperature range | -25~60 ℃ | | | | |
| Topology | Transformerless | | | | |
| Ingress protection | IP66 | | | | |
| Cooling concept | Smart fan&Natural convection | | | | |
| Max. operation altitude(m) | 3000 | | | | |
| Grid connection standard | AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105, CB10-21, CB10-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tar+R25, IEC61683, IEC61727&62161 | | | | |
| Safety/EMC standard | IEC-62109-1/-2, IEC-61000-6-1/-2/-3, NB/T32004 | | | | |
| DC connection | MC4/D4 | | | | |
| Communications | Wifi, 4G, GPRS, Bluetooth, RS485, CAN | | | | |

Hybrid



Storage Inverter



Battery



E24 Modular Range Of Products For Building Easy, Flexible & Evolutive Solutions

E24 products dynamically evolve with the lifestyle and work style of its customers while easing the installation process.

E24 products are conceived in modules allowing for an easy upgrade to adjust with the needs of the customers. Being modular and easy to connect E24 products allow installers to easily configure the required modules for an optimal solution while offering easy upgrade options.



Ordering Information

| Ref Number | Description |
|----------------|--|
| ESIB03XP-10KI | Mod. Solar Hybrid Inverter, 80-800Vdc, 10KW, 3 Ph., 400/230V, 50/60Hz, 20KWp, 1100Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-12KI | Mod. Solar Hybrid Inverter, 80-800Vdc, 12KW, 3 Ph., 400/230V, 50/60Hz, 24KWp, 1100Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-15KI | Mod. Solar Hybrid Inverter, 80-800Vdc, 15KW, 3 Ph., 400/230V, 50/60Hz, 30KWp, 1100Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-18KI | Mod. Solar Hybrid Inverter, 80-800Vdc, 18KW, 3 Ph., 400/230V, 50/60Hz, 36KWp, 1100Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-20KI | Mod. Solar Hybrid Inverter, 80-800Vdc, 20KW, 3 Ph., 400/230V, 50/60Hz, 40KWp, 1100Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-30KI | Mod. Solar Hybrid Inverter, 300-850Vdc, 30KW, 3 Ph., 400/230V, 50/60Hz, 48KWp, 1000Vdc, RS485, CAN, (Wifi, 4G, GPRS, Bluetooth) Optional |
| ESIB03XP-40KI | Mod. Solar Hybrid Inverter, 300-850Vdc, 30KW, 3 Ph., 400/230V, 50/60Hz, 64KWp, 1000Vdc, RS485, CAN, (Wifi, 4G, GPRS, Bluetooth) Optional |
| ESIB03XP-50KI | Mod. Solar Hybrid Inverter, 300-850Vdc, 30KW, 3 Ph., 400/230V, 50/60Hz, 80KWp, 1000Vdc, RS485, CAN, (Wifi, 4G, GPRS, Bluetooth) Optional |
| ESIB03XP-60KI | Mod. Solar Hybrid Inverter, 300-850Vdc, 30KW, 3 Ph., 400/230V, 50/60Hz, 96KWp, 1000Vdc, RS485, CAN, (Wifi, 4G, GPRS, Bluetooth) Optional |
| ESIB03XP-75KI | Mod. Solar Hybrid Inverter, 300-800Vdc, 75KW, 3 Ph., 400/230V, 50/60Hz, 150KWp, 1000Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-80KI | Mod. Solar Hybrid Inverter, 300-800Vdc, 80KW, 3 Ph., 400/230V, 50/60Hz, 160KWp, 1000Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-90KI | Mod. Solar Hybrid Inverter, 300-800Vdc, 90KW, 3 Ph., 400/230V, 50/60Hz, 180KWp, 1000Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-100KI | Mod. Solar Hybrid Inverter, 300-800Vdc, 100KW, 3 Ph., 400/230V, 50/60Hz, 200KWp, 1000Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |
| ESIB03XP-110KI | Mod. Solar Hybrid Inverter, 300-800Vdc, 110KW, 3 Ph., 400/230V, 50/60Hz, 220KWp, 1000Vdc, Wifi, 4G, GPRS, Bluetooth, RS485, CAN |



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