Corab® Encor

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Operating and assembly manual

Translation

No.: INS 003/0001.0002.0001/2024/001

pt. I of III

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READ BEFORE ASSEMBLY
KEEP FOR THE WHOLE
PERIOD OF USE OF THE DEVICE

Corab Encor Inverter

17k/20k/30k

en.corab.pl

Table of contents:

Introduction

1.1 General information

This document constitutes the operating manual for the inverter called Corab Encor 17-30k. This operation manual is intended for qualified personnel, the user and the customer (according to definitions in Chapter 1.3). The manual is divided into chapters and sub-chapters. The manual consist of three indiwidual parts and appendices that are included in them.

The contents of the manual describe:
- the intended purpose;
- prohibited applications;
- construction and the assembly methods;
- safety rules;
- conditions within the scope of transport, assembly, inspections and disposal;
- troubleshooting.

The presented operating manual:
- is an integral part of the following Corab Encor inverters:
  - Corab Encor 17k (abbreviated name CE 17k);
  - Corab Encor 20k (abbreviated name CE 20k);
  - Corab Encor 30k (abbreviated name CE 30k);
- constitutes the property of Corab S.A. and any use against its intended purpose is prohibited;
- is available for the Customer on www.en.corab.pl;
- must be stored in an accessible place for the whole period of use of the inverter.

1.2 Scope of delivery

The delivery includes the inverter and the assembly components necessary for its proper installation and functioning.

1.3 Definitions and abbreviations

The operating manual uses the following terms:
- Everyday use – use of the inverter according to its intended purpose and in its full efficiency;
- Warranty – the scope and period of the warranty has been described in a separate document;
- Qualified personnel – the person with qualifications required to carry out specialist works and activities in the scope of, among others, electrical installation, work at heights, and with a training certificate of the Producer. Qualified Personnel knows and understands the contents of this operating manual. He or she is familiar with the construction of the device and its operation;
- Operating manual – the document consisting of three indiwidual parts and appendices that are included in them is a integral part of the device; Reading and understanding its contents before commencing any works connected with the device is obligatory;
- Customer – – the legal person, natural person or organizational unit without legal personality that orders the device. The customer is liable for installing the device according to this manual and the relevant regulations;
- Repairs – activities carried out in order to restore the full efficiency and the target safety level of the device;
- Unauthorized person – a person who does not know and/or understand the contents of this operation manual and/or does not hold relevant qualifications to perform a particular action. The term "Unauthorized Person" also includes children and people with limited physical and/or mental capabilities. Unauthorized persons must not perform any activities connected with the device;

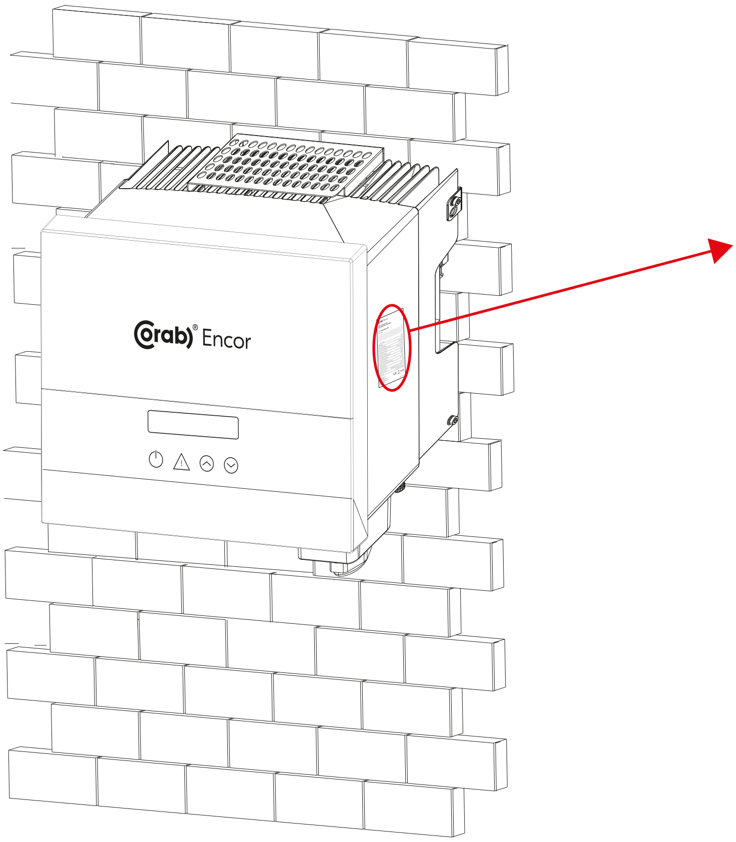
- Manufacturer – Corab S.A. seated in Olsztyn, entered in to the register of entrepreneurs of the National Court Register under number 0000950779, the records of which are held by the District Court in Olsztyn, the 8th Commercial Division of the National Court Register, holder of NIP (Tax ID no.) 7390207757;
- Device – the inverter and the set of components covered by the Manufacturer's delivery. The device has to be installed in accordance with this manual and used with the intended purpose;
- Additional Elements – all the components not included in the delivery but which the device can/must be equipped with according to the Manufacturer's instructions;
- User – the legal person, natural person or organizational unit without legal personality that uses the properly assembled device according to this manual and relevant applicable regulations;
- Inspections – activities performed in order to assess the technical condition of the device and carry out actions specified by the manufacturer

1.4 Identification details of the inverter

Every inverter is equipped with a nameplate (Figure 1) with the information listed below (Table 1).

Table 1 List of parameters presented on the nameplate.

Designation
Maximum DC voltage
Number of MPPT per string
Range of MPPT voltage
Maximum work current (input A/input B)
Maximum short-circuit current (input A/input B)
Nominal AC frequency
Maximum apparent AC output power
Nominal AC output power
Maximum AC output current
Operating temperature range
Protection level
Nominal input voltage
Nominal AC voltage
Range of adjustment of passive power factor



Corab® Encor

GRID CONNECTED
PHOTOVOLTAIC INVERTER

Model: **Corab Encor 17k**
Serial number:

Max. DC Voltage	1100 V
MPPT/String	2(2/2)
MPPT Voltage Range	160-980 V DC
Max. DC Current (Input A/Input B)	32 A/32 A
Isc PV (input A/Input B)	40 A DC/40 A DC
Nominal AC Frequency	50/60 Hz
Max. Apparent AC Output Power	18700 VA
Nominal AC Output Power	17000 VA
Max. AC Output Current	27,5 A
Operating Ambient Temperature Range	-30~+60℃
Enclosure Protection	IP66
Nominal input voltage	650 V DC
Nominal AC voltage	220/380V, 230/400V, 3~/N/PE, 3/PE
Power factor	0,8 leading~0,8 lagging

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CE | RoHS

Made in P.R.C.

Fig. 1 Template for a nameplate of an example inverter model.

1.5 Declaration

The EU declaration of conformity is delivered to the Customer in a printed/an electronic version. The declaration of conformity constitutes an integral part of the device. The template of the declaration of conformity constitutes Appendix no. 1 to this manual.

1.6 Liability

This operating manual constitutes an integral part of the Corab Encor 17-30k inverter. The Customer shall be liable for compliance with the applicable regulations of law in scope of assembly of inverters, electrical installations and fire protection.

It is prohibited to use the inverter against its intended purpose. Any use against the intended purpose shall void the right to warranty repairs and does not ensure the safety level specified by the Manufacturer. The Manufacturer shall not be liable for damage caused by an inverter that has been installed against the manual and relevant regulations. Any works carried out against this manual shall lead to loss of the warranty and/or right to warranty repairs. Any works performed against this manual may result in dangerous situations.

2 Safety - general information

This manual specifies the minimum safety rules regarding the assembly and use of the device. The qualified personnel is obligated to choose and have protective equipment for the time of assembly works. The manual has indicated the recommended personal protective equipment.

2.1 Safety instructions

Safety instructions are presented next to information that require particular attention. Hazard levels are determined with the use of symbols and colors. Warnings are presented individually, starting from the highest threat level.

2.2 Risk levels - graphical representation and description

The following threat levels regarding safety have been used in this manual:

DANGER
Indicates the highest level of threat. If ignored, such threats may be fatal, lead to serious body injuries or serious threat to or/and damage of property.

WARNING
Indicates a moderate threat. If ignored, such threats may be fatal, lead to body injuries or/and property damage.

NOTE
Indicates a low-level threat. If ignored, such threats may lead to minor or moderate injuries or/and property damage.

HINT
Indicates useful information for optimum functioning of the device.

SAFETY INSTRUCTION
Safety instructions stand for specific instructions or procedures concerning safety.

2.3 General safety regulations

During the installation of the device, OH&S rules and safety regulations apply.
In order to ensure the safe use of the device:

DANGER
Use the device according to its intended purpose

NOTE
The inverter does not have any components to be operated by the Customer and the user. All the works must be carried out only by the qualified personnel.

- read the contents of this operating manual before commencing works with the device;
- follow the contents of this operating manual;

- before the installation, check all the components for damage, dentures or visible defects;
- comply with the applicable regulations of law and OH&S regulations;
- comply with regulations regarding earthing of PV modules.

NOTE
Connect the frames of PV modules and other surfaces conducting direct current in a way that will allow for continuous conduction and earthing.

- assemble only those components that are fully operational and free from defects;
- assemble only hose components that are recommended by the Manufacturer of the device;
- the device should be installed at a location with ambient temperature within -30°C to +60°C;
- assemble only in places with proper ventilation;
- assemble only in places safe from explosion hazards;
- assemble in places located away from flammable materials;

DANGER
If the installation is carried out against this manual and/or by unauthorized person, it may lead to a hazardous situation.

DANGER
The user shall be liable for the technical condition of the device and the area of installation. The operation of a damaged device may lead to a dangerous situation.

- use only the tools intended for a particular activity and according to their intended purpose;
- to work with the device, use insulated tools;
- use only fully operational tools;

WARNING
Do not make any alterations in the device, installation method and connections between the components. Any alterations may lead to loss of the warranty and/or result in a hazardous situation.

HINT
Use surge arresters according to the applicable regulations.

- use the device only after its complete installation;

DANGER
To not mount the device to an unstable structure or elements.

NOTE
Connect the inverter to class A PV modules compliant with the requirements of standard PN-EN IEC 61730- 1:2018-06.

SAFETY INSTRUCTION
Keep the manual for the whole period of use of the device.

SAFETY INSTRUCTION
Install all the additional elements according to the Manufacturer's manual.

- all works with the device must be performed by the qualified personnel;
- if the noise level of the surroundings exceeds 70dB, use hearing protectors;

WARNING
Repairs of the inverter must be carried out only by the qualified personnel.

- immediately replace any components of the device damaged during the transport or use;
- keep the place of use of the device clean;

NOTE
Use cleaning agents that will not damage the surface of the device or any of its components.

- the place of use must be secured against being accessed by unauthorized persons, according to applicable regulations;
- be particularly careful during the assembly process, repairs, dismantling and transport.

HINT
During the final installation, it is recommended to consult lightning protection specialists. Proper lightning protection may mitigate the results of electrical discharge, leading it safely to the ground.

2.3.1 Requirements for Great Britain

Requirements for Great Britain include all the provisions of this manual and those specified below. In case of any inconsistency, requirements intended for Great Britain shall take precedence, if the device is installed within the territory of Great Britain.

NOTE
The installation that connects the device to the feed clamps must be compliant with standard BS 7671:2018, including the amendment made in March 2022.

NOTE
Electrical installation of PV modules must comply with standard BS 7671:2018, including the amendment made in March 2022, and IEC 60364-7-712:2017.

NOTE
Before the commissioning, the qualified personnel must ensure that the device meets the requirements of ESQCR22(1)(a) within the scope of assembly, construction and operation.

2.4 Prohibited activities

The user and the qualified personnel must familiarize themselves with activities that are prohibited during the use of the device. The following actions are prohibited during the use of the device:

DANGER
Do not make any changes in the security settings.

DANGER
Do not use the device against its intended purpose.

DANGER
Do not connect power without a PE connection (earthing) due to high leakage current.

DANGER
Do not use the device in a condition that poses a threat to life, health and/or property.

DANGER
Do not use the device when it is damaged, incomplete and/or unstable.

DANGER
Do not open the enclosure of the inverter during its operation.

DANGER
Do not disconnect any of the parts of the inverter that have not been mentioned in this operating manual.

DANGER
Unauthorized persons must not carry out any works on the device. Improper handling of the device may lead to hazardous situations during its use.

DANGER
It is prohibited to install the device in an explosion hazard zone and/or area with flammable materials.

WARNING
Keep children (unauthorized persons) away from the device.

- installation of the device in a damp place and/or exposed to caustic substances;
- installation of damaged components of the device;
- non-compliance with regulations of law at any stage of use and assembly of the device;
- using a device that was installed in a manner non-compliant with the operating manual;
- using damaged tools or tools incompatible with assembly components and conditions;
- leaving assembly components and tools at the work site;

DANGER
Any works carried out by persons who are not familiar with or do not understand the contents of this manual are prohibited.

DANGER
Do not touch the cable terminations.

WARNING
Do not leave any materials, components or tools within the work area or on the device.

2.5 Work site

The place of work of the qualified personnel for the time of assembly is the place of installation of the device. The place of work of the qualified personnel during servicing and inspections is the place of installation of the device.

WARNING
During normal use, there is a risk of contact with hot surfaces. In order to avoid injuries, the user and the qualified personnel must observe proper safety precautions.

The manufacturer shall not be liable for the condition and equipment available at the work stand. This operating manual has described the necessary tools and assembly components. The information can be used to prepare the adequate equipment for the installation of the device.

2.6 Handling requirements

All specialist works must be carried out only by qualified personnel that:

- has read this operating manual;
- understands the contents of this operating manual;
- has the proper and valid qualifications required by provisions of law to carry out specific actions;
- has no contraindications to carry out their work.

HINT
In order to receive a Corab training certificate for inverters, contact Corab S.A.

SAFETY INSTRUCTION
All specialist works must be performed only by qualified personnel. Qualified personnel must have valid certificates and qualifications and know the construction and installation method of the device.

2.6.1 Scope of user's obligations

The user must:

- follow all the operational safety instructions and guidelines regarding the Corab Encor 17-30k inverter;
- properly prepare the work site after consulting the persons who will carry out the assembly (qualified personnel);
- comply with the deadlines of inspections;
- maintain the device in a defect-free condition.

2.6.2 Obligations of the qualified personnel

The qualified personnel must:
- follow and apply all the safety regulations and be familiar with this device operating manual;
- follow and apply safe working methods;
- be familiar with safety rules for works that they are to carry out;
- use fully operational tools intended for the performed work;
- use adequate personal protective equipment;
- verify the place of installation and choose proper safety devices, if necessary;
- provide necessary tools for specialist works.

2.7 Personal protective equipment

During works connected with transport, assembly, everyday use, and disassembly, it is recommended to wear:
- protective, non-slip, electro-insulating footwear;
- electro-insulating gloves;
- helmets;
- protective eyewear;
- hearing protectors;
- safety belts.

All the elements of personal protective equipment are selected on an individual basis by the qualified personnel and the user. The Manufacturer of the Corab Encor 17-30k device does not provide any personal protective equipment. The selected personal protective equipment must be compliant with the applicable safety regulations and the conditions at the place of installation of the device.

2.8 Device-specific hazards

Device-specific hazards also include the intended use of the device. Before the installation, every user and member of the qualified personnel must read the manual of components working with the inverter in order to familiarize themselves with specific hazards arising from using them.

2.8.1 Hazards caused by electricity

There is a risk of injuries caused by electrocution!
Work and contact with live components may lead to serious injuries or death.
In order to prevent the risk:
- secure and mark the area for the time of work with the device, according to applicable regulations;
- connect the earthing (PE connection);
- use the earthing wire/wires according to the applicable safety rules and relevant regulations;
- use alternating current (AC) protection by installing an AC surge arrester in the main AC power point, according to the applicable regulations;
- use a surge arrester dedicated for the signal cables in order to secure the communication cable;

HINT
The main AC power point is located between the inverter and the grid installation meter.

- install the wires in such a way that their length ensures proper functioning of the device and does not lead to dangerous situations (they must not be too long or too short);
- combine DC wires of the same potential into one wire harness;
- install only fully operational and compatible electrical components;
- in case of a multiple unit installation, do not connect the earthing terminals in series;
- avoid creating loops in the circuit;
- inspections and repairs can be carried out only by qualified personnel with proper qualifications;
- all works connected with electrical components must be performed with insulated tools;
- electrical components must be touched only with dry hands;
- carry out inspections of electrical equipment;
- do not lay wires in places with human, machine or other traffic;
- lay wires according to the applicable regulations of law;
- install electrical components according to this manual and the manual of the manufacturer of used subassemblies;
- use electrical components recommended by the Manufacturer of the device;
- do not replace electrical components with ones that have higher or lower parameters;
- do not wash electrical components in a steam of water, with damp cloths or substances that might damage the device and the electrical components;
- keep electrical components in dry places secured against rain and harmful conditions;
- use proper personal protective equipment;
- perform all the actions in accordance with OH&S safety rules;
- perform all the actions with full concentration and focus.

WARNING
A direct lightning strike will damage the inverter. If the lightning strikes in the vicinity of the inverter, it will result in overvoltage.

NOTE
The risk of overvoltage is higher in areas where electricity is supplied over long distances (e.g. rural areas).

NOTE
The surge may take place at the connection of PV modules and in alternating current (AC) wires leading to a building.

2.8.2 Hazards due to energy accumulated in the device

There is a risk of injuries caused by electrocution!
After disconnecting the inverter from PV modules and power from the grid, the device still holds accumulated power. This power is retained for at least 5 minutes from the time of disconnection, which may lead to electrocution. In order to prevent this risk:

DANGER
It is prohibited to disconnect the DC and AC terminals until 5 minutes lapse from the moment of disconnecting the power.

NOTE
After disconnection, the device will discharge the accumulated power within 5 minutes.

- do not work with connectors of the inverter, DC wires and PV modules when the power is connected.

2.8.3 Hazards due to high leakage current

There is a risk of health damage!
During the use of the inverter, there is a high working current that might lead to health damage or property damage. In order to prevent this risk:

- connect the earthing before connecting the device to power;
- use earthing wires according to the applicable standards;
- in case of installations with multiple inverters, do now connect the earthing terminals in series.
- use an external RCD device (recommended type A) according to relevant regulations in a particular country.

If it is compliant with relevant applicable regulations, use of a type B RCD is permitted.

DANGER
Using the device without earthing or improperly connected earthing is prohibited. It may lead to a dangerous situation during the use of the device.

NOTE
Type B RCM and RCD devices ensure power supply for the inverter in case of using residual current devices (RCD) and residual current monitoring (RCM) for indirect and direct contact protection.

HINT
It is recommended to use RCD with sensitivity of 100 mA or 300 mA, if it complies with the relevant regulations applicable at the place of installation.

2.8.4 Hazards caused by high temperature

There is a risk of burning due to contact with hot surfaces!
The surface of the inverter and PV modules heat up. Body contact with a hot surface may result in burns and discomfort. In order to prevent this risk:

- use proper personal protective equipment;
- avoid contact with the top and the back part of the inverter - components which heat up;
- replace pictograms (section 2.9 of part I of this manual), which inform about hot surfaces whenever they become damaged, illegible or removed.
- follow the requirements of the PV module manufacturer within the scope of safety and possible hazards;
- install the device at a site with proper air circulation;
- the place of installation must not expose the device to direct exposure to sunlight and/or weather conditions.

2.8.5 Hazards caused by the electromagnetic field

There is a risk of injury due to the electromagnetic field!
When used, the device generates radiation. Exposure to radiation may lead to health damage.
In order to prevent this risk:

- stay at least 20 cm from the device.

2.8.6 Falling hazards

There is a risk of injury caused by fall from a height!
Works carried out at a height pose the risk of falling and body injuries. In order to prevent this risk:

- use proper personal protective equipment;

- use proper safety devices when working at heights;
- use fully operational and complete personal protective equipment;
- works carried out at a height can be performed only by persons with proper qualifications and competences.

2.8.7 Hazards caused by falling components

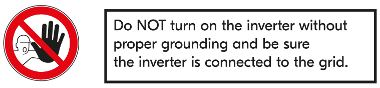
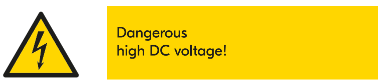
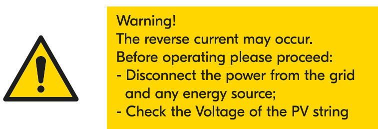
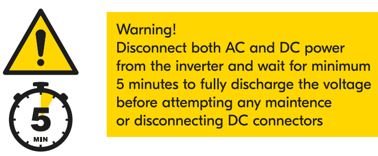
There is a risk of being hit by falling components!
During the use of the device, its improper installation might result in uncontrollable motion and dislocation. In order to prevent this risk:

- secure and mark the device in order to ensure safety of people in the vicinity;
- do not leave any assembly elements and tools after completed works with the device;
- use proper personal protective equipment;
- take particular care during performance of the works.

2.9 Pictograms

Tables 2 and 3 and Figures 2 and 3 have presented the pictograms that can be found on the device and its packaging. The user is obligated to maintain the legibility and clarity of the pictograms at all times. A pictogram can be replaced only with an identical as the one placed by the Manufacturer and/or according to the applicable regulations of law.

Table 2. List of pictograms placed on the device.

No.	Pictogram	Meaning
1.		Do not turn on the inverter without earthing and when it is not connected to the grid.
2.		WARNING! Live electrical equipment.
3.		WARNING! High DC voltage.
4.		WARNING! Backward current may be present. Before working with the device: - disconnect the power; - check for voltage in the circuit.
5.		WARNING! Once disconnected, the device remains live. Wait for 5 minutes before opening the cover of the device and/or disconnecting the DC wires.
6.		WARNING Electrical equipment.
7.		WARNING! Hot surface.
8.		WARNING! Electromagnetic field.
9.		INSTRUCTION Read the operating manual.

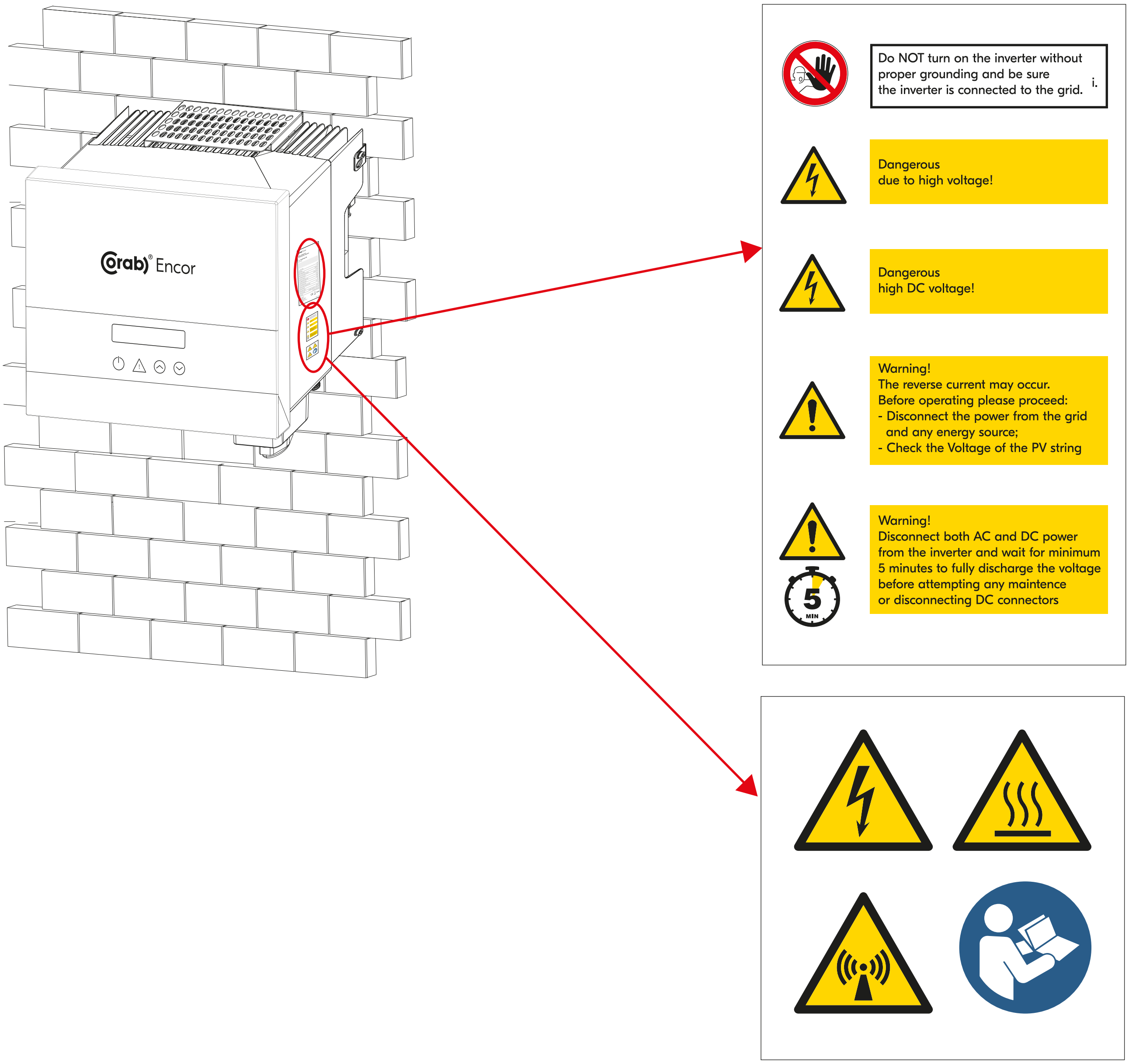
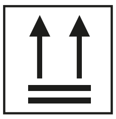
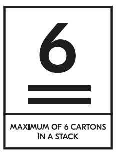
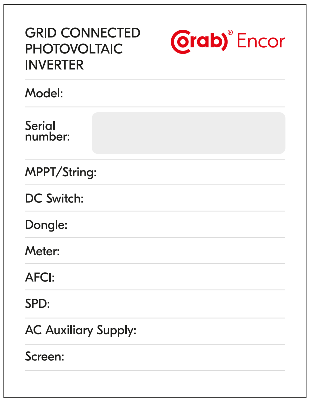


Fig. 2 Location of pictograms on the device.

Table 3. List of pictograms placed on the packaging of the device.

No.	Pictogram	Meaning
1.		Warning! Glass element.
2.		Warning! This way up.
3.		Warning! Protect from rain.
4.		Warning! Pile of packages must have a maximum of 6 layers.

No.	Pictogram	Meaning
5.		WARNING! Do not stand on the cardboard.
6.		HINT! Material of the packaging is recyclable.
7.		Equipment of the device, where: Model – name of the selected model of the inverter Serial number – serial number of the device MPPT/String – number of MPPT per string DC Switch – DC load switch Dongle – communication module Meter – electric energy meter AFCI – arc-fault circuit interrupter SPD – DC surge arrester AC Auxiliary Supply – additional power source Screen – screen of the device
8.	**Corab Encor 17k ***	Name of the device.

* Example of a model name

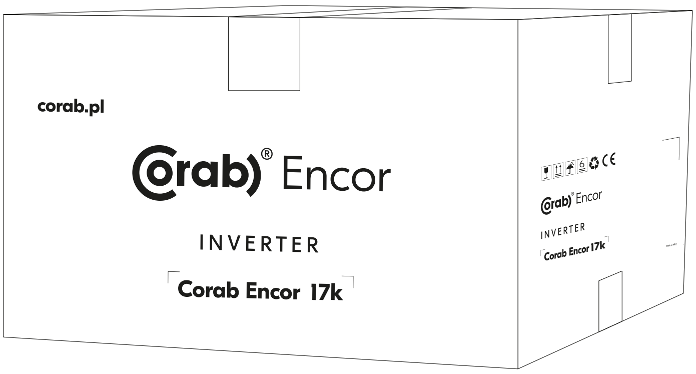


Fig. 3 Locations of pictograms on the packaging of the device.

3 Rules of use

3.1 Description of the device

The Corab Encor 17-30k inverter is an electrical device. It features a transformer-free construction with the IP66 level of protection which allows for installation outside of buildings. The inverter:

- has been constructed with the MPPT technology (independent MPP Trackers, a wide range of MPPT voltages);
- features an in-built energy outflow control;
- features adjustment of the passive power factor;
- is updated via a USB interface;
- is monitored via a WiFi/LAN/4G module;
- features anti-islanding.

3.2 Use of the inverter according to its intended purpose

The Corab Encor 17-30k inverter is a device intended to work with photovoltaic modules (PV modules). The inverter converts direct current (DC) from PV modules into alternating current (AC) of the electrical grid. Alternating current is transmitted to the electrical grid. The device is adjusted to operate inside buildings and outdoors. In case of an outdoor installation, it is necessary to comply with rules described in chapter 2 of part II and in part III of this operating manual. The device is intended to operate in ambient temperatures within the scope of -30°C to +60°C (decreased efficiency above 45°C, which has been described in section 1.3.1 of part II of this operating manual). The device can be installed on surfaces with a ± 5° inclination angle to the vertical.

HINT
Start the assembly after you have read and understood the operating manual, prepared the place of assembly and verified whether the device is undamaged.

3.3 Using the inverter against its intended purpose

The use of the device for purposes other than those indicated in section 3.2 of part I this manual is considered as against its intended purpose. The device must not be used:

- to convert currents other than direct current;
- to transmit converted alternating current to a network other than a low-voltage electrical grid;
- when not completely assembled;
- without conducted inspections;
- without acknowledging the described safety rules and rules regarding residual risk;
- without acknowledging the OH&S rules and relevant regulations;
- when its safety system is malfunctioning;
- without a safety system;
- without sufficient free space around the device (chapter 6 of this manual);
- with defects, unrepaired faults;
- to be installed in areas with ambient temperatures beyond the range of -30°C to +60°C (reduced efficiency above 45°C);
- to be installed in areas with high humidity and intensive precipitation;
- in areas with frequent precipitation;
- for attaching, suspending, hanging other objects, people or animals;
- on an unstable surface;
- when damaged and/or incomplete;
- in explosion hazard zones;
- in places used to store flammable products;

- in places/rooms without ventilation;
- at locations exposed to direct sunlight;
- in a manner against its intended purpose.

DANGER
Use that is against the intended purpose may lead to a hazardous situation that poses a threat to life and/or health.

The Manufacturer shall bear no responsibility for guarantee, warranty and financial losses if the device is used contrary to its intended purpose.

3.4 Danger arising from use of the inverter against its intended purpose

Use of the device against its intended purpose may lead to a hazardous situation. Hazards caused by use contrary to the intended purpose of the device include:

- danger for human health and/or life;
- risk to the condition and lifetime of the device;
- risk to the condition and lifetime of the photovoltaic installation;
- risk to the safe use of the device;
- interruption in correct operation of the device and/or the installation.

4 Transport and storage

4.1 Personnel and safety

Transport and preparing the device for transport must be carried out only by people with proper experience and qualifications.
General safety rules have been described in Chapter 2 of part I of this operation manual.

4.1.1 Results of non-compliance

Non-compliance with the requirements regarding personnel, safety rules and OH&S regulations may lead to:

- danger for human health and/or life;
- risk to the condition and lifetime of the device;
- risk to the safe use of the device.

4.2 Preparations

Before transportation of the device, its components or additional elements, secure them against harmful conditions and substances such as e.g. road salt. During the transport, do not expose the device and the additional elements to direct sun and precipitation. For the time of the transport, secure everything against uncontrolled dislocation. Ropes, chains, machines and devices used for the transport must be adequate for the size and weight of the device, its components and additional elements.

DANGER
Due to damage caused during transport and/or storage, the device might operate beyond the specification assumed by the Manufacturer. Such operation may lead to a dangerous situation.

HINT
All works connected with handling of transport machines must be carried out by the qualified personnel.

Preparations for transportation of the device and its components to the first Customer are carried out by the Manufacturer - Corab S.A.

4.2.1 Packing

The Manufacturer delivers the device to the first Customer in original packaging. It is allowed to use transport and storage packaging if it is adjusted for weight over 30 kg, has handgrips and can be closed completely.

4.3 Package marking

The packaging of every device is marked with pictograms described in Table 2 in section 2.9 of part I of this manual and with a barcode, QR code and contact details of the Manufacturer.

4.4 Transport

The Corab Encor 17-30k inverter can be transported by any means of transport. The means of transport must be adjusted to the weight and size of the device. All the used tools, safety devices, transported machines must be fully operational and complete. The details on the choice of proper transport elements have been presented in section 1.3.1 of part II of this operating mannual.

The device is delivered to the first Customer by the Manufacturer. Components are prepared for transport in form of packages, cardboard boxes placed on pallets in piles (maximum 6 layers). The Manufacturer shall not be liable for defects caused during transport, if the transport is not carried out by the Manufacturer or upon their order.

DANGER
The inverter is an electrical device. Its exposure to direct sunlight and/or precipitation may lead to a dangerous situation during the use of the device.

4.4.1 Transport conditions

During the transport, pay particular attention not to damage the device, its components and additional elements. Secure every element against damage that might occur during transportation.

DANGER
There must be no persons under the transported cargo or in its vicinity during the loading and unloading procedures.

4.5 Storage

The device, its components and additional elements should be stored in a manner that protects it against direct exposure to sunlight and precipitation. The place of storage must be dry and the ambient temperature must be within the range of -30°C to +60°C. For storage, it is allowed to arrange the device in piles of maximum 6 layers. When stored, none of the elements should be immersed in water. The place of storage must not expose the elements to mechanical damage.

EU DECLARATION OF CONFORMITY

no. ....

of DD.MM.YYYY

1. Product:

   Type:
   Corab Encor XX k,
   Corab Encor YY k,
   Corab Encor ZZ k.

2. Name and address of the manufacturer:

   Corab S.A.
   ul. Michała Kajki 4, 10-547 Olsztyn, PL

3. This declaration of conformity has been issued under the sole responsibility of the manufacturer.

4. Subject of the declaration:

5. Corab S.A., as the manufacturer, declares that the subject of this declaration of conformity — the above-mentioned products — is fully compliant with:

   - directives of the European Parliament and the Council of the European Union:
     -
     -
   - harmonized standards:
     -
     -
   - suitable relative standards:
     -
     -
   - other reference documents:
     -
     -

Signature of the Manufacturer / person authorized by the Manufacturer:

....

[name and surname, position/name and surname, authorization]

Corab® Encor

Corab S.A.
ul. Michała Kajki 4,
10-547 Olsztyn, Poland

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