

# Warranty and Service For Powador Inverters

## Product Overview

### Warranty and Service Conditions

For KACO Inverter Models:

6.0 TL3, 7.8 TL3, 9.0 TL3, 10.0 TL3, 12.0 TL3, 14.0 TL3,  
18.0 TL3, 20.0 TL3

16.0 TR3, 18.0 TR3

30.0 TL3, 33.0 TL3, 36.0 TL3, 37.5 TL3, 39.0 TL3, 40.0 TL3,  
48.0 TL3 Park, 60.0 TL3, 72.0 TL3 Park

<b>Standard Warranty Period</b>	<b>5 years from the proven installation date* <sup>a b</sup></b>
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\* see paragraph „Registration“

<sup>a</sup> If equipment is not registered with KACO new energy, warranty period is 24 months. In no case will the warranty exceed 66 months from the date of shipment from KACO new energy to the Purchaser even if properly registered with KACO new energy.

<sup>b</sup> In addition to proof of installation, plants in excess of one (1) Megawatt AC must be commissioned by KACO new energy or a certified service partner for the warranty to be valid.

## Product Overview

### Warranty and Service

For KACO Inverter Models:

XP100-HV, XP200-HV (TL), XP250-HV (TL), XP350-HV TL  
XP500-HV TL / outdoor, XP550-HV TL / outdoor

Argus Box 16S DCS, Argus Box 24S DCS

<b>Standard Warranty Period</b>	<b>3 years from the proven installation date* <sup>a b</sup></b>
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\* see paragraph „Registration“

<sup>a</sup> If equipment is not registered with KACO new energy, warranty period is 24 months. In no case will the warranty exceed 42 months from the date of shipment from KACO new energy to the Purchaser even if properly registered with KACO new energy.

<sup>b</sup> In addition to proof of installation plants in excess of one (1) Megawatt AC must be commissioned by KACO new energy or a certified service partner for the warranty to be valid.

## Applicable Countries

**Warranty coverage applies in:\*\*\* <sup>c</sup>**

Belgium, Bulgaria, Denmark, Germany, France, Greece, Italy, Lichtenstein, Luxembourg, Malta, Netherlands, Austria, Portugal, Switzerland, Slovakia, Slovenia, Spain, South Korea, Czech Republic, Hungary, United Kingdom, Cyprus

\*\*\* Overseas territories of the countries listed above are excluded from this warranty coverage. For countries not listed above, the warranty coverage may be extended to units delivered DDP to our Service Plant, however this exception is limited to units sent within 24 months from the date of shipment from KACO new energy to the Purchaser.

<sup>c</sup> This warranty will only maintain its validity providing that the valid country certificate is in existence upon occurrence of the service case.

# Warranty and Service

## For Powador Inverters

### 1 Manufacturer's Warranty

This warranty will apply only to the aforementioned inverters in the listed countries. Previous conditions are no longer valid. All eventual and individual agreements between KACO (new energy GmbH) and the customer must be disclosed.

The warranty cover only applies if the inverter has been installed and operated properly as per the manufacturer's instructions and guidelines which are updated from time to time.

Further claims for costs, in particular for reimbursement of lost income resulting from direct and indirect damage incurred in installation and removal, are not covered under this warranty.

KACO new energy states explicitly that this warranty will apply only to the relevant product, if and when the payment for the relevant purchased item has been made in full to KACO new energy. All claims arising from, or, in connection with this warranty are subject to German law. The exclusive place of jurisdiction for all disputes arising from, or in connection with this warranty is - as far as legally permissible – Heilbronn, Germany.

This manufacturer's warranty shall not affect the buyer's legal rights affecting warranty claims.

### 2 Registration Requirement for Full Warranty Coverage

The pre-condition for the non-transferable full warranty is the on-line registration of the inverter within 4 weeks from the date of installation. Incorrect or incomplete information (e.g. the location) will render the warranty void.

To register, please use local registration at <http://www.kaconewenergy.com>

### 3 Commissioning Support and Maintenance Contracts

Warranty extensions may be requested by wholesalers of KACO new energy. For plants of one (1) Megawatt AC and above, the standard warranty will only be provided in conjunction with a valid maintenance contract and after commissioning by KACO or an authorised Service Partner. For further information regarding commissioning and maintenance services, as well as extended warranty, please contact your national service branch.

### 4 To Request Service

If you suspect a product defect or malfunction, please contact your local installer's office for troubleshooting assistance. Software Updates, that can be installed independently, are provided on our website (depending on the model).

For service and processing, the following information and documentation pertaining to the affected inverter will be required:

- Device type (e.g. KACO 10.0 TL3) and serial number (e.g. 10.0TL01234567)
- Error message appearing on the display (if available) and other information regarding the defect/fault
- Current software version
- Assurance that all tests for warranty exclusions have been carried out by the installer
- Date and copy of the commissioning report(s)
- Proof of regular maintenance according to the predefined maintenance plan
- Detailed information about the entire system design (modules, connection plan etc.)
- Copy of the purchase invoice and proof of registration or the Warranty Certificate of the inverters
- The documentation of any previous complaints and or exchanges (if applicable)

If the case is accepted, KACO new energy, in consultation with the reporting professional electricians, and at KACO's sole discretion, will decide how and where the repairs or replacements are made, or if the defective unit will be exchanged for a replacement unit.

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If the principal is not a specialist, the service intervention (even if under warranty) can only be done at the repair center. The decision to repair on-site or to replace the device is at the sole discretion of KACO. When KACO technicians provide on-site service, the client has to ensure them full, barrier-free access to the inverters. If required, the Customer also has to make the necessary resources (instruments/equipment) available and these must comply with the governing applicable health and safety regulations.

If a device is replaced, KACO will send a replacement unit, after receipt of the defective appliance. If the return of equipment is required, the customer is responsible for ensuring that it is safely and securely packed for shipping in the original manufacturer's packaging or equivalent. By the exchange procedure, the replacement unit becomes the property of the customer and the defective unit becomes the property of KACO new energy. The remaining warranty period of the original product is transferred to the replacement device. Logistic costs are to be borne by the customer

### 5 Considerations During Service Interventions

Due to technical progress, it is possible that an alternative product must be provided. It is also possible that a provided replacement unit or other purchased components may not be compatible with locally installed components (e.g. accessories for remote monitoring or remote control). The resulting expenses and costs are not covered by this warranty. Logistic costs are to be borne by the customer.

The basic principle of proportionality applies under this warranty. Disproportionality is deemed when it would be impossible to provide a measure or if the measure would result in unreasonable costs for KACO new energy, given the value of the device without the defect, and/or after consideration of the importance of the defect, and after consideration of alternative remedies available to be used, without significant inconvenience to the customer.

If a device is exchanged, KACO new energy is entitled to use repaired or reconditioned spare parts and body parts. Repair reports, defective components and/or devices are not generally released to third parties. However, confirmation for insurance purposes can be obtained from KACO.

### 6 Warranty Exclusions

KACO new energy reserves the right to justifiably refuse warranty services and to bill already performed services or yet to be provided interventions to the end customer. The warranty will explicitly be rendered void by any of, but not limited to, the following:

- Non-authorized use of the inverter
- Improper or non-standard installation or operation (product and system)
- Prior damage which can be expected due to improper installation or operation (plant)
- Operating the unit with defective protective equipment (electrical and / or mechanical)
- Unauthorized changes to the unit or repair attempts
- The influence of foreign objects and force majeure (e.g. lightning, overvoltage, severe weather, fire, etc.)
- Insufficient ventilation of the device
- Inadequate protection against external influences and weather
- Non-compliance with the relevant safety regulations (VDE, etc.)
- Transportation, storage and installation damage
- Faulty system planning / design or installation
- "Gray imports" in countries for which the appliance is not intended / authorized
- Vandalism, engraving, labels, irreversible marking or contamination or theft
- Failures / faults in relation with third-party accessories
- Connection errors and / or incorrect menu settings
- Non applicable or simple to repair fault causes (e.g. Software - Updates)
- Defects which are preventable by proper maintenance (e.g. damage by corrosion)
- Damage to the device memory due to overvoltage or incorrect operation

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### 7 Obligations not Covered by this Warranty or not Covered after Warranty Expiration

Repair, alterations and services which are not entitled to cover under this warranty will be charged at cost. If the customer's property is repaired by KACO at the factory, the customer is entitled to receive free estimates of the repair costs. The customer agrees to accept the costs for the services provided, as per the current KACO new energy price lists. Up to this point, an up to date price-list can be requested at any time. Inverters which are received for exchange and, which are not entitled to warranty cover, will be repaired without providing an estimate.

### 8 Overview: Responsibility for Costs in the Event of Service

For any legitimate complaint on the inverter, KACO new energy will reimburse the installer an exchange fee. For each additional device that is simultaneously exchanged in the same system, half of the said fee will be paid per device. Any exchange fee is a discretionary goodwill gesture without legal claim and will only be granted for up to five years after the installation was performed. The reimbursement of the replacement fee will only be made, upon receipt of a valid invoice from the installer and only after the cause of the defect has been determined. A refund will only be made if the complaint is justified and providing that all of the required data, such as old and new device numbers and the exchange date, and service numbers are listed on the invoice.

For defective devices, which are not delivered to KACO within one week after the exchange procedure, KACO will bill the customer for the current price of the replacement device. Even in warranty cases, should the repair of the damaged inverter involve disproportionate effort and/or costs, the customer will be billed for these.

Cost	Bears the cost if	
	Warranty	<u>Non-Warranty</u>
Allowance for equipment replacement by installer	KACO new energy	Customer at cost
Shipping Exchange/Replacement unit to installer	Customer	Customer
Shipping defective device to KACO	Customer	Customer
Packaging costs of defective device	Customer	Customer
Shipping spare parts and materials to customer	Customer	Customer
Shipping defective parts to KACO	Customer	Customer
Preparation / cleaning if required	Customer	Customer
Hours worked by KACO	KACO new energy	Customer at cost
Spare parts and materials	KACO new energy	Customer at cost
Travel Costs and Per Diem	Wall Mounted Products: Customer Ground Mounted Products: KACO new energy	Customer
Troubleshooting / Cause determination on product	KACO new energy	Customer
Administrative Service Processing Fees	KACO new energy	Customer