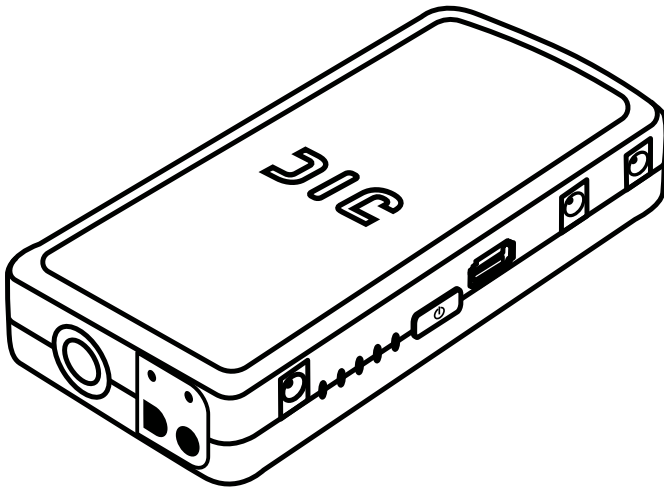




**ANYWHERE  
ANYTIME**



**USER'S MANUAL**

Multi-purpose starter charger  
Model JIC-12 12000 mAh

**THANK YOU FOR HAVING CHOSEN OUR MULTI-PURPOSE  
STARTER CHARGER JIC-12.**

When using this device for electronic equipment or as a starter  
for transport vehicle observe health and safety rules.

Read all instructions carefully.

Keep this User's Manual close at hand or download its on-line version  
from the following web-site: [jic.energy/support](http://jic.energy/support)



## **USEFUL THING!**

**STARTS  
ENGINE**

**CHARGES  
GADGETS**

**POCKET-SIZED**

**IN HAND-  
LUGGAGE ON  
THE PLANE**

**STARTER FOR 12V**

**BUILT-IN PROTECTION**

**24 MONTHS' WARRANTY\***

**LOSES JUST 2-5% OF CHARGE PER MONTH**

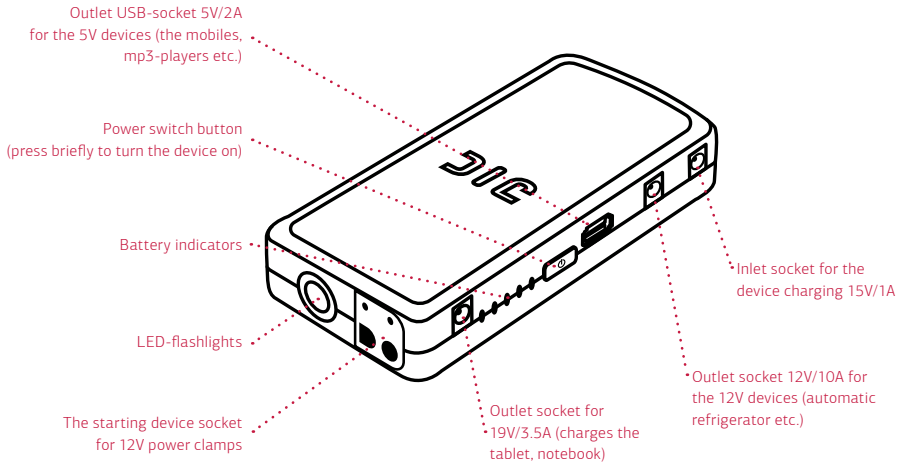
**1000 RECHARGING CYCLES\*\*, FAULT-FREE OPERATION FOR YEARS**

**OPERATION TEMPERATURE RANGE FROM -20 TO +60°C**

\* The duration of the guarantee period in different countries can vary and depends on the laws of each country in which the product has been implemented.

\*\* Full cycles (full charge/discharge) are meant; when charge-discharge battery cycles are not full then its service life is reduced.

# BRIEF DESCRIPTION OF JIC-12 UNIT



## GUIDELINE FOR QUICK START — START YOUR CAR!

### BEFORE STARTING YOUR CAR WITH A STARTER

- This device is provided **ONLY** for cars with car-system voltage equal to 12V! Do not use it for other car-system voltages (6V, 24V etc.)
- Read the Transport Vehicle User's Manual: manufacturer of a car can include specific warnings and instructions regarding starting engine from starters that you should know.
- For cars fitted with automatic transmission — move the transmission control lever into "PARKING" position and raise a parking brake up. For cars with manual transmission — move the lever into neutral position and raise a parking brake up.
- To provide optimum operation of "JIC" device and secure vehicle electronics, one should switch off all electronic equipment of a car (an air conditioner, heating, radio, lighting, charge devices etc.).
- Disconnect all USB-devices and/or equipment intended for charging that is connected to "JIC".
- Make sure that there is no humidity on the accumulator terminals of a car, on connecting wires of "JIC" starter as well as on the device itself.

## START OF CAR ENGINE FROM EXTERNAL STARTER

Make sure that the ignition key is in “OFF” position (OFF). When using a starter for cars fitted with an intelligent start button (engine is started with a button), prior to starting make sure that a car is completely shut down.

Determine positive and negative accumulator terminals of a car. As usual, positive terminal is marked with (+) symbol and/or colored in red.

1. Before connecting terminals to “JIC” device one should thoroughly connect **red** clamp to **positive (+)** accumulator terminal and **black** clamp - to its **negative (-)** terminal.

*Make sure that clamps are in MAXIMUM contact with both accumulator terminals. Terminal connection should be of as high quality as possible; bad or low-quality connection will not enable starting.*

2. Make sure that “JIC” device is off. Thoroughly insert connector in the “JIC” device. Check the security of connection between terminals and clamps as well as between connector and “JIC” device. Check state of indicators on the connector:

- IF RED INDICATOR LIGHTS AND AUDIO SIGNAL IS HEARD: connection of connectors to terminals is confused. Read item 1 over again and perform actions described in it. DO NOT PRESS “BOOST” BUTTON (START)!
- IF GREEN INDICATOR LIGHTS: accumulator is quite serviceable. DO NOT PRESS “BOOST” BUTTON (START)! Try to start the engine.
- IF GREEN INDICATOR LIGHTS AND AUDIO SIGNAL IS HEARD: accumulator is discharged and cannot be used. Press “BOOST” BUTTON (START), wait when the green indicator and within 30 seconds start the engine.
- IF NONE INDICATOR LIGHTS: low quality of electrical connection or accumulator is heavy discharged. Check all connections. If there is still no indication, press “BOOST” BUTTON (START).

Position “JIC” device at safe location to prevent from its falling when engine starting.

3. Activate “JIC” device.

4. Start engine of a car.

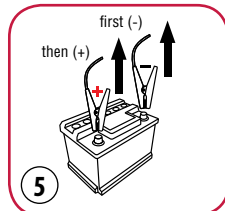
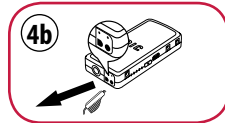
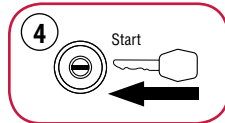
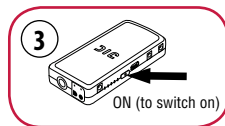
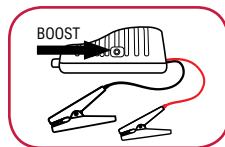
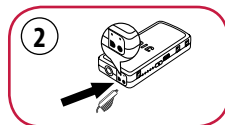
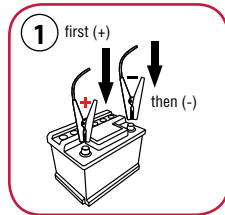
- If engine is not started within 3 seconds, one should move ignition key in “OFF” position (OFF).
- Disconnect “JIC” device from the connector. Wait for 60 seconds and repeat steps 1-4 over again. If the problem still exists, go to chapter “Troubleshooting” of the User’s Manual for “JIC” device to determine other possible causes of its occurrence.

After successful start of the car engine one should immediately disconnect “JIC” device from a connector.

5. Disconnect clamps from accumulator terminals: at first black clamp (-), then red clamp (+).

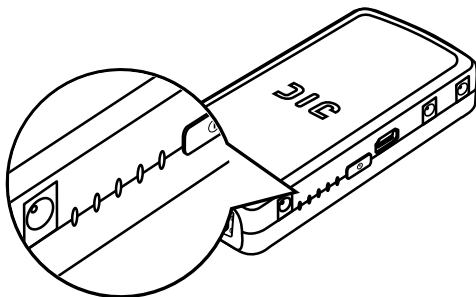
Now the car is ready for operation. Before shutting down the engine, let it work not less than 15 minutes.

**Do not make more than 3 attempts to start, it may cause damage to the starting device.**



# USER'S MANUAL: JIC-12

## INDICATORS



Status of indicators	do not light	1 light	2 light	3 light	4 light	5 light
Battery charge (%)	0%	20%	30%	50%	70%	100%

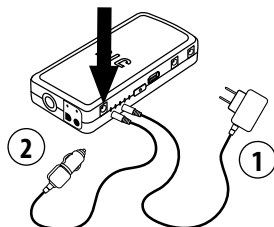
Starter JIC-12 is fitted with 4 indicators to determine residual power.

- Full charge lasts about 4 hours.
- Press power button to activate indicators.
- During device charging the indicators will flash one after another.
- All indicators will stop lighting if charging is suspended or stopped.

## JIC -12 STARTER CHARGING PROCESS

• Connect power supply unit or car adapter to 15V/1A output connector of “JIC” starter and start charging!

1. Through power supply unit
2. Through car adapter



## CAR ENGINE STARTING

**Step-by-step regulation describing the procedure of a car engine starting, see in the Quick Starting Guidelines for “JIC” device.**

To start a car engine you just need to have “JIC” starter. There is no longer need to wait for help - “JIC” will save the situation!

Be careful and perform a series of precautionary measures before car engine starting;

- First of all, read the Transport Vehicle User’s Manual since the manufacturer can provide specific actions and precautionary measures referring to your car.
- Carefully observe the instructions contained in the Quick starting Guidelines for “JIC” device and look through User’s Manual for “JIC” device.
- Before starting engine make sure that all car electronic equipment is off (radio, lighting etc.).
- Make sure that you are in a dry and well ventilated zone. Do not start car engine in the enclosed space.

- Remove all traces of moisture from “JIC” device, accessories as well as from the car accumulator. BY NO MEANS start the car engine if there is humidity in these areas.
- Make sure that the car accumulator terminals are clean (to provide better electrical contact).
- Prior to clamps connecting one should correctly determine positive (+, red) and negative (-, black) terminals of the car accumulator.
- While handling the terminals take care to ensure that metal teeth do NOT touch teeth of a red clamp.
- When using clamps DO NOT connect RED clamp to negative (-) terminal of the car accumulator and BLACK clamp - to positive (+) accumulator terminal.
- When connecting “JIC” device clamps to the accumulator terminals make sure that metal teeth of each side are in good contact with a terminal. The better this contact the easier the car engine will start.

*NOTE: when fastening clamps on the terminals make sure that “JIC” device is disconnected. It will enable to eliminate moderate sparking.*

### **General recommendations: conformity of “JIC” device model to engine capacity**

“JIC” starter can be used for the following gasoline and diesel engines:

- Model JIC-12: gasoline engines with capacity up to 6 liters, diesel engines with capacity up to 3 liter (engine capacities are just approximately specified; power requirements for each car differ).

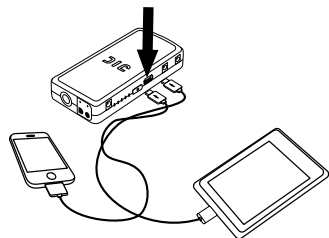
*NOTE: extremely low temperatures influence the accumulator power capacity. If for some period of time you use our equipment in similar conditions, you should choose more powerful model of “JIC” device.*

### **CHARGING OF PHONE, TABLET PC AND OTHER USB-DEVICES**

JIC-12 starter is fitted with two charging USB-ports located at its front side.

- Connect USB-cable to USB-port of “JIC” starter.
- Connect the second end of USB-cable to a smart phone, tablet PC or other USB-device to be charged. Using USB-connector adapter one can charge up to two devices at a time.
- Activate ‘JIC’ device and start charging process!

*Some phones, tablet PCs etc. can be charged only by means of an original cable.*

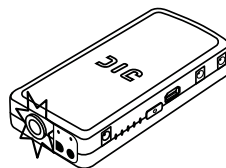


### **FLASHLIGHT**

“JIC” started is completed with LED- flashlight having several models of operation.

- To switch on a flashlight one should press and hold power button within 3 seconds. Following LED-flashlight operation models are provided:

- 1st pressing:** normal mode
- 2nd pressing:** stroboscope mode
- 3rd pressing:** SOS mode
- 4th pressing:** switched off

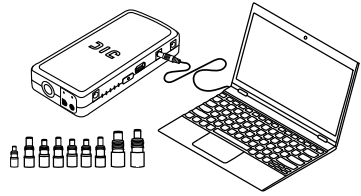


## LAPTOP CHARGING

“JIC” starter is completed with 9 connector adaptors and an adaptor to charge a range of popular laptops, including but not limited to: Acer, Dell, Fujitsu, HP, IBM, Lenovo, Samsung, Sony and Toshiba.

To charge laptops “JIC” device is fitted with two outputs (12V and 19V). To determine what voltage is required to charge your laptop (12V or 19V), check rated voltage of the laptop charging device (it is specified on the reverse side of a charging device) or find this information in the Laptop User’s Manual. As soon as you determine this voltage, select the most appropriate value required for your laptop from possible output voltage values of “JIC” device.

- Pick up a connector adaptor suitable for your laptop.
- Connect adaptor cable to output connector 19V or 12V.
- Activate “JIC” device and start charging process!



## AFTERSALE SERVICE OF EQUIPMENT OR SPARE PARTS FOR YOUR JIC-12 DEVICE

Should there be any questions regarding operation or use of “JIC” device as well as regarding replacement of spare parts, first of all you should contact at the address:

**[jic.energy/support](http://jic.energy/support). Do not bring this device back to the store!**

If this device requires the plant services or replacement of parts, you should address directly to “JIC”. This method of interaction will be the quickest one.



# IMPORTANT SAFETY PRECAUTION INFORMATION

Toxic and dangerous agents					
Pb	Hg	Cd	Cr(VI)	PBB	P8DE
0	0	0	0	0	0

«0» means that toxic and dangerous agents are not detected 2002/95/EC (Ro/HS)

**WARNING:** prior to using this device read all instructions and warnings carefully. Improper use of this device can result in its damage, overheating, toxic gas emissions, burning or explosion; “JIC” is not responsible for the above-mentioned situations.

- This product is provided ONLY for cars with car-system voltage equal to 12V. Use of this product for cars with other car-system voltage is dangerous for the user, device itself and a car.
- Before using “JIC” starter you should carefully read all instructions.
- Prevent from immersion of “JIC” starter under water, be caught in the rain or other moisture influence.
- Do not open and dismantle “JIC” starter since it can result in cancellation of warranty for it.
- Protect “JIC” starter from impact of fire, powerful heating or ingress of flammable liquids.
- Device is to be charged only at temperatures within the range from 0 °C up to + 46 °C
- Keep this device away from children.
- Do not insert foreign items in ANY inputs or outputs of the device.
- Do not use this device in places where inflammable vapors, gases and dust are available.
- This device is to be used only in well-ventilated areas.
- When connecting “JIC” device take care to ensure that metal teeth of red clamp DO NOT touch teeth of a black clamp.
- When connecting “JIC” device do not connect a black clamp to positive (+) terminal of the car accumulator and, vice versa, do not connect red clamp to negative (-) accumulator terminal.
- Do not open “JIC” device to replace internal battery. There are no parts in the device which can be replaced by the user himself.
- Do not keep “JIC” device at temperatures over +30 °C or lower –20 °C for a long period of time since it can reduce battery capacity.
- Keep “JIC” device out of temperatures exceeding +60 °C since it can be dangerous for safety.
- After use of “JIC” device one should always disconnect booster cables and keep them aside.
- Do not strike, pierce or insert anything in “JIC” device since it can be dangerous for safety.
- In the event of rare occurrence of aggressive liquid leakage from “JIC” device one should stop its operation. If this liquid contacts skin and eyes one should immediately flush it away with a stream of running water and consult a doctor.
- When “JIC” device becomes unfit for use it should be disposed in a proper way. Lithium-polymer battery of the device is to be disposed in the appropriate local plant.
- Should any problems or failures arise during use of the product, one should immediately stop its operation and contact us at the address: **support@jic.energy**

# FREQUENTLY ASKED QUESTIONS

**Question: My car is not started. How can I check if it is the accumulator's fault?**

**Answer:** When ignition is off you should switch on the head lights and interior lighting.

- Start up the ignition. If after ignition start-up the head lights pale, then it means that accumulator is discharged and you need a starter to start the engine.
- Start up the ignition. Switch on the wind shield wiper blades. If they move slower than usual, then it means that accumulator is discharged and you need a starter to start the engine.

**Question: How can I switch "JIC" starter off?**

**Answer:** If "JIC" device is not used then it is switched off automatically.

**Question: How many starting attempts can I perform on a single charge?**

**Answer:** On full charge you can perform several starting attempts (10-20 times) but exact quantity of these attempts depends upon several factors:

- Engine capacity, its type and condition;
- Residual charge of the car accumulator;
- Air temperature (hard frost will reduce any battery capacity);
- Type of used device – JIC.

**Question: How many times "JIC" device can charge a cell phone, tablet PC or other mobile device? How much time will it take?**

**Answer:** These parameters will be different for each mobile device since batteries of these devices are characterized by different power and capacity. In the average, this device can charge cell phone from 3 to 10 times. The total charging time the device approximately one hour.

**Question: What is the service life of "JIC" device?**

**Answer:** Under ideal conditions "JIC" device can be fully charged and discharged up to 1000 times. As a rule, "JIC" device remains serviceable within several years (3-5 years); in case of not full charge-discharge cycles its service life is reduced.

**Question: How long does "JIC" device retain the charge when it is not used?**

**Answer:** Our batteries lose not more than 2–5% of charge per month, that is why if you do not use the device within a year, however, it will retain charge; yet to guarantee the "JIC" starter efficiency at any moment you need it we recommend to recharge it every three months. **Moreover, we recommend keeping the non-used "JIC" device charged not for 100%, but for 40-60%.**

# TROUBLESHOOTING

***I followed the specified consequence of actions but my car did not start. Why?***

**When the attempt to start fails, wait for 60 seconds and then try again.**

- Was “JIC” device switched on before engine starting?
  - Remember that “JIC” device is fitted with an automatic shutdown function. If within 30 seconds after activating you do not attempt to start-up engine, then it will be automatically switched off.
- Does the quality of connections meet the requirements?
  - Bad contact between clamps and terminals can prevent from successful engine starting. Disconnect connector from “JIC” device and then adjust clamps to provide the best electrical connection from both sides of each clamp. Connect the connector to “JIC” device over again and try starting engine one more time.
- Was the transmission control lever of a car moved into “PARKING” position?
  - If the transmission control lever of a car is not moved in the “PARKING” position it can prevent from engine start-up.
- Is the “JIC” device charge sufficient?
  - If the “JIC” device charge is insufficient one, you should charge it using charging unit or via car adaptor.
- Are the accumulator terminals contaminated?
  - Quality of electrical contact can be deteriorated due to availability of coating on the accumulator terminals. Disconnect cables out coming from the accumulator and clean the coating on terminals using a wire scratcher or a dry duster.
- When connecting clamps to the accumulator and further connecting of a connector to the “JIC” device you should check condition of indicators on the connector.
  - IF RED INDICATOR LIGHTS: connection of clamps to terminals is confused. Read the Guideline for Quick Start one more time and perform described actions one more time. DO NOT PRESS “BOOST” BUTTON (START)!
  - IF GREEN INDICATOR LIGHTS: accumulator is quite serviceable. DO NOT PRESS “BOOST” BUTTON (START)! See the next step.
  - IF GREEN INDICATOR FLASHES: accumulator is discharged and cannot be used. Press “BOOST” BUTTON (START) to start the car engine.
  - IF NONE INDICATOR LIGHTS: low quality of electrical connection or accumulator is low. Check all connections. If the indication does not appear anymore, press “BOOST” BUTTON (START).
- The problem can be not connected with the accumulator.
- In most cases, the reason for the engine non-starting is the accumulator but sometimes other car assemblies can be defective. To determine the reason of failure you should find information in the User’s Manual or visit the neighboring car service center.

***“JIC” device is not activated.***

- Charge the device. “JIC” device is sufficiently charged as soon as charge indicators located at its front panel stop flashing.
- If “JIC” device after attempt to start engine is not activated, you should connect it to charging device for several seconds to “recharge” it.
  - Connect “JIC” device to the charging devices operated from mains which is included in the supply package.
  - If you are on your way then connect “JIC” device to the car adaptor (via electric cigar lighter). Even if your car accumulator is discharged it has enough power to reset “JIC” device.

# TECHNICAL CHARACTERISTICS OF MODEL JIC-12

- Battery capacity:** ..... **12000 mAh**  
*Milliamper-hour (mAh) - charge measure: the higher index in mAh the higher is device capacity.*
- Battery type:** ..... **Lithium-polymer**  
*Lithium polymer is the component that makes the rechargeable battery to be thin (figuratively)! High-quality lithium-polymer elements provide for longer service life and permanent efficiency of the battery.*
- Voltage:** ..... **12V**
- Starting/peak current:** ..... **200A/400A**
- Max input:** ..... **15V/1A**
- Max output:** ..... **5V/2A; 12V/10A; 19V/3.5A**
- Charging USB-ports:** ..... **1**
- Automatic disconnection:** ..... **Yes**
- Device dimensions:** ..... **160\*75\*28 mm**
- Device weight** ..... **420 g**
- Quantity of indicators:** ..... **5**
- Quantity of charging cycles:** ..... **up to 1000**  
*Full cycles (full charge/discharge) are meant; when charge-discharge battery cycles are not full then its service life is reduced.*

## SCOPE OF SUPPLY

Description	Quantity
“JIC” starter	1
Cables to connect device to accumulator	1
Charging device (mains charger)	1
Car adaptor	1
USB-cable for charging (3-in-1) (w/Micro, 30-pin connector)	1
Adaptor for laptop	9
Adaptor cable	1
User’s Manual	1
Guideline for Quick Start	1
Transportation casing	1

Spare parts are available for order at the address: [www.jic.energy](http://www.jic.energy)

# WARRANTY

**WARRANTY COVERS THE FOLLOWING:** JIC company sells the products and implies that in the event of proper use and maintenance these products will have no defects of materials and workmanship within 24 months\* from the date of sale (except in cases specified below).

This warranty covers only the consumers and, in particular, does not cover the retail trade enterprises, sellers, their agents and employees.

JIC company does not authorize anybody, including (but not limited to) the retail trade enterprises for subsequent purchase of the products from the retail trade enterprises or remote purchasing agents that bind JIC company with any obligations which are beyond the scope of the conditions stipulated by this document.

This warranty does not cover damage caused by: improper use of the products or their excessive use; an accident; making modifications in the products; connection of any unauthorized attachment to the products; improper use of electric power supply source which resulted in failure; loss of power supply; product fall or breakage; failure or damage of any operating part due to non-observance of maintenance regulation recommended by the manufacturer; interference in product operation or an attempt to modify it; unauthorized opening of products; transportation damage; theft; negligence of duties; vandalism; environmental conditions; unavailability to use the product when it is at the repair service plant or waiting for spare parts or repair; or any other conditions beyond the control of JIC company.

The present warranty is valid only if the product is operated in the country where it has been purchased. This warranty does not cover the products which (it can be operated in any other country different from the country they have been developed, approved and/or authorized for) require modification or adaptation. Moreover, this warranty does not cover the repair of products that have been damaged due to the above mentioned modifications.

This warranty does not cover purchase of opened, used, repaired, repacked and/or resealed products, including (but not limited to) sale of these products at the Internet-auctions and/or sale of these products in the form of surplus of goods or by the wholesale trade dealers. Any and all warranties in respect of any products or their constituent parts which will be repaired, replaced, changed or modified without preliminary direct consent of JIC company should be immediately become null and void and terminated.

Under any circumstances JIC company is not responsible for you or any third Party for any losses that can be suffered by you or any third Party due to deliberate or unintended use; or improper use of these products in combination with any devices, equipment or attachments, except for corresponding device or equipment these products are intended for. JIC company will be responsible for any damage that you or the third Party can incur due to above mentioned improper use of these products. If you take responsibility for use of these products together with any device not intended for it as well as for damages occurred due to such use then you agree to compensate any losses to JIC company connected with obligations arising in it towards any third Party.

**DURATION OF PERIOD COVERED BY WARRANTY:** This warranty begins from the date of sale and is valid within 24 months. Duration of any implied warranty of merchantability or suitability of these products for specific purpose is to be limited by the above mentioned warranty, i.e. 24 months\* from the date of sale.

If the spare parts for defective products are not available, JIC company reserves the right to replace the product for similar one instead of repair or spare parts replacement. Repayment of money is not provided. If JIC company finds out that the product is not a defective one, then this product will be sent back to the consumer at his own expense.

\* The duration of the guarantee period in different countries can vary and depends on the laws of each country in which the product has been implemented.

**AFTER-SALES SERVICE RECEIPT:** retain copy of sales check and register your purchase at the address: **jic.energy/register** to activate warranty. Rejection to register your products and provide documents confirming the sale can result in warranty cancellation. To receive after-sales service you should contact our **specialist for JIC company clients servicing:**

- via E-mail: support@jic.energy
- in online mode: jic.energy/support

**DO NOT RETURN THE PRODUCTS ON WARRANTY TO YOUR SUPPLIER.** Prior to communicating with a specialist make sure that you have wrote down model name and its serial

number. Our specialist will explain how to return the defective products for after-sales service. JIC company is to be notified regarding a claim within warranty period in the written form, JIC company is to receive defective products within 10 days after the day when the consumer has notified it about claim occurrence.

## **WARRANTY DOES NOT COVER**

1. Absence of warranty certificate for the moment of product delivery for repair, improper, incomplete filling or availability of alterations which are not signed off by the Seller in the warranty certificate. Absence of the Purchaser's signature in the warranty certificate.
2. Serial number on the product is deleted or changed.
3. User's non-observance of the stipulated operating instructions and unintended use.
4. In case of the product damage occurred due to climatic events or natural calamities, improper or neglectful transportation, non-observance of service instructions, improper storage, negligent handling, mechanical or chemical effect, use of low-quality operating consumables and expendables and those which do not conform to consumables and expendables specified in the accompanying documentation.
5. If technical characteristics of the product are deteriorated due to its natural wear, including use of low-quality operating consumables and expendables and those which do not conform to consumables and expendables specified in the accompanying documentation, heavy use, overloading, including consumer-grade products used for commercial (professional) purposes, untimely or low-quality maintenance regardless quantity of worked hours and service life of a product.
6. Previous repair or maintenance of a product has been performed improperly or by the unauthorized persons; there is no appropriate mark in the warranty certificate. Availability of dismantling signs or other design alterations not stipulated by documentation as well as factory-made adjustment disturbance. Use of not-original spare parts and attachment of the manufacturer. Provision of a product in disassembled state. Modification of a product in any way and by any means.
7. In case of untimely notification about revealed failures, the Selling Company reserves the right to fulfill the laid claims in whole or in part.

To solve issues under warranty liability of the purchased product, which is a complex technical product, the Purchaser first of all is to contact with the Selling Company specified in the warranty certificate.

**Responsibility for damage caused due to non-observation of this instruction will be incurred by the Purchaser to the full extent.**

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www.jic.energy