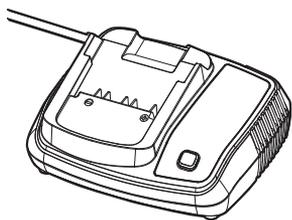
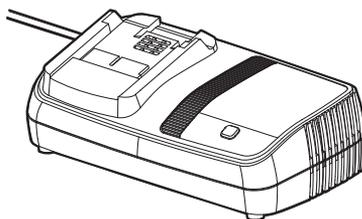


KEYANG

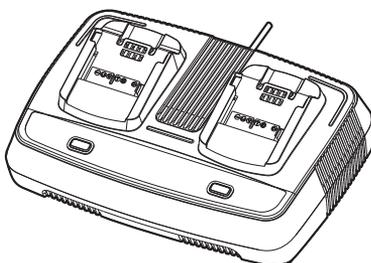
BATTERY CHARGER



C14415



C18046A



C20065

CE

C14415
C18046A
C20065

WARNING

To reduce the risk of injury, user must read instruction manual

BATTERY CHARGER

Original instructions

It is essential that instruction manual is read before the charger is operated for the first time. Always keeps this instruction manual together with the charger. Ensure that the instruction manual is with the charger when it is given to other persons.

Note

As our engineers are striving for the constant research and development to develop the quality of products, shape or structure of our model can be changed without previous notice.

1. Safety Notes

1) Charger



WARNING! Read all safety

Failure to follow the warning instructions may result in electric

shock, fire and/or serious injury. **Save all warning and instructions for future reference.** Use the battery charger only when you fully understand and can perform all functions without limitation, or have received appropriate instructions.

- **Keep the battery charger away from rain or moisture.**

Penetration of water in the charger increases the risk of an electric shock.

- **Use the charger only to charge the KEYANG batteries approved for use with this charger.**
Otherwise there is danger of fire and explosion.

- **Do not use non-rechargeable batteries with KEYANG battery charger.**

- **Keep the battery charger clean. Keep it away from other metal objects, like paper clips, keys, nails, or other small metal objects.**

Contamination can lead to danger of an electric shock.

- **Before each use, check the battery charger, cable and plug. If damage is detected, do not use the charger. Never open the charger yourself. Have repairs performed only by a qualified technician and only using original spare parts in order to avoid a hazard.**

Damaged battery chargers, cables and plugs increase the risk of an electric shock.

- **Do not operate the battery charger on easily inflammable surfaces (e.g., Paper, textiles, etc.) or surroundings.**

The heating of the charger during the charging process can pose a fire hazard.

- **In case of damage and improper use of the battery, vapours may be emitted.**

- **Provide for fresh air and seek medical help in case of complaints.**

The vapours can irritate the respiratory system.

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- **Supervise Children.**

This will ensure that children do not play with the charger.

- **Children shall not play with the appliance.**

Cleaning and user maintenance shall not be made by children without supervision.

The heating of the charger during the charging process can pose a fire hazard.

- **This appliance is not intended for use by person (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible of their safety.**

Otherwise there is danger of operating errors and injuries.

- **Do not charge the battery pack when the air temperature is below 4 °C or above 40 °C.**

This is important. Failure to observe this safety rule could cause serious damage to the battery pack.

- **Do not throw the battery into the live fire.**

In the fire, the battery may explode due to high temperature and cause serious injury.

- **Store the battery indoors at 0 °C ~ 40 °C and avoid direct light and closed hot and humid places.**

Fire or explosion may occur causing serious injury.

- **Leaving the battery for a prolonged time without using it will shorten the life of the battery.**

If the battery is to be stored for a prolonged time, charge it completely before storing it. To use the battery for a long period of time, charge it completely every 3 months.

- **If the cord of the charger has been damaged, replace or repair it immediately.**

Using the charger with damaged cord may cause electric shock. Electric shock may cause injury.

- **Do not attempt to disassemble the charger and keep the charger out of the reach of children.**

- **Do not insert metal wire or any conductive object through the ventilating opening of the charger.**

Failure to observe this can cause serious injury or death due to electric shock.

2) Battery

- **Do not put the battery in a fire.**

The battery can be exploded by high temperature, and it may cause a dangerous injury.

■ **Take care not to short-circuit the terminal of the battery.**

When two terminals of the battery are short-circuited, an enormous current is generated. In result, a fire or explosion can be occurred, which may cause a serious personal injury.

■ **Make sure the temperature of the battery will not exceed 45°C.**

When the temperature of the battery exceeds 45°C, its performance and life will be decreased. When the temperature of the battery is increased, the temperature switch begins to work and the contact point is detached. When you put the overheated battery in the battery charger, the poor battery mark is displayed. Cool the battery before you charge it.

■ **While you are charging the battery, do not charge it for several times continuously.**

It causes an overheating of the battery charger or the battery, which may decrease its performance or life.

■ **Do not disassemble battery.**

Incorrect reassembly may result in a risk of electric shock, electrocution or fire.

■ **Store the battery indoors at 0~40°C and avoid direct light and closed hot and humid places.**

Fire or explosion may occur causing serious injury.

■ **Avoid strong impact on the battery and do not pierce the battery case with a sharp object.**

Fire or explosion may occur causing serious injury.

■ **Do not allow children to replace batteries without adult supervision.**

An explanation of any symbols or pictograms marked on the tool relevant to safe use

	volts
	amperes
	hertz
	watts
	alternating current
	direct current
	Class II construction
	For indoor use only
	Disposal of Old Electrical & Electronic Equipment
	the time-current characteristic of fuse-links of the time-lag type

2. Specifications and Application batteries

Charger	C14415	C18046A	C20065
Input voltage [V]	100-127 / 220-240		
Input frequency [Hz]	50/60		
Output voltage [V]	14.4-18		
Charging current [A]	1.5	6.5	6.0 (EACH)
Operating ambient Temp [°C]	4-40		
Weight [kg]	0.23	0.6	1.3
Safety Class	 (Class II)		

EN

Battery (Li-ion)	BL18045X BL18054A BL18062A	BL18043A BL18049A	BL18044A BL18053X BL18055A BL18065A	BL18050A
Voltage [V]	18 (MAX 20)			
Capacity [Ah]	2.0	4.0	5.0	8.0
Weight [kg]	0.4	0.6	0.9	
Operating ambient Temp [°C]	0~50			
Storing ambient Temp [°C]	-20~25			
Charging time [min] (Charger Model : C144XX)	60	120	150	240
Charging time [min] (Charger Model : C180XX)	N/A	40	50	80
Charging time [min] (Charger Model : C20065)	24	50	55	85

3. Check before Use

1) The power source

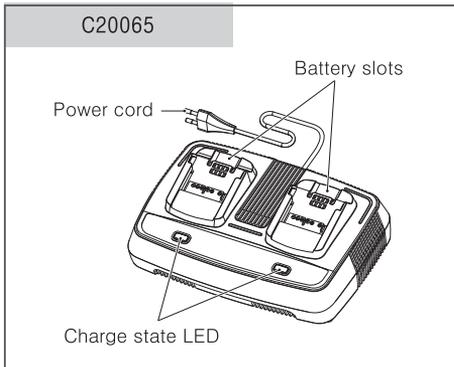
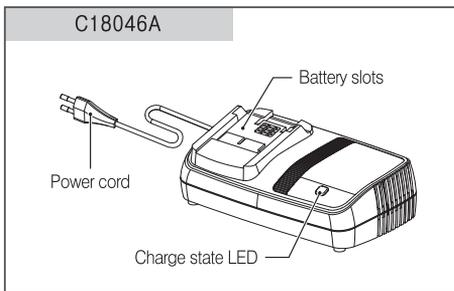
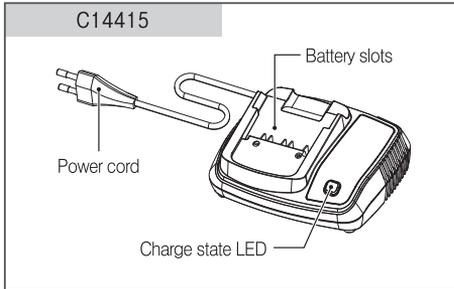
- Observe correct main voltage. The voltage of power source must agree with the voltage specified in the name plate.
- Make sure the output voltages in the charger and the battery are the same. When the rated voltage of the charger is higher than that of the batteries, the batteries can be damaged by fire.

2) Attachment of the battery

Make sure the battery is attached correctly before you use the charger.

4. Operating Instructions

1) Description of Functions



2) How to charge the battery

- Insert the plug of the charger in the socket, and the charging indicating lamp will be flickered in green, red and yellow in turn within one second. And then, the battery charger will be in the standby position.
- Insert the battery in the battery charger considering the polarity, and the charging will be started immediately.

If you store the battery for a long time after using it, please fully charge the battery.

- When the battery working time is remarkably short despite full charging, the life of the battery may be over. Replace the battery immediately.



Warning

Take care not to short-circuit the terminal of the battery. The short-circuit of the terminal may cause a fire or explosion doing a serious personal injury.

3) Charging process

Use only the specified battery and battery charger. Otherwise battery and charger can be damaged by fire, explosion, charging error or overheat.

■ Charging indication

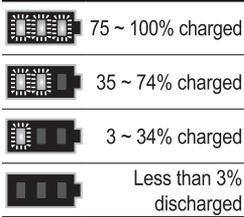
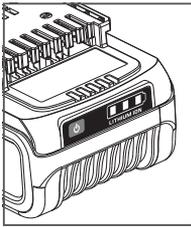
LED Display	Charging indications
 Green Blinks	Charging standby
 Red Light	Charging in progress
 Green Light	Charging completed
 Red Blinks	High Temperature Standby (battery too hot)
 Yellow Blinks	Charging impossible



Warning

Be sure to unplug the charger after finishing the charging. The defective and charging error battery is not connected with charger.

- If charging of the heated battery is attempted immediately after it has been used or charged, indicator blinks in red (overheat standby). Also, cooling fan in the charger automatically starts running to cool the hot battery down to normal temperature and, after the cooling, indication changes to red glowing and charging begins.
- This charger detects charging status of the battery and always keeps the battery in full charge state.
- Press the check battery power button to check the battery power level.



5. Maintenance and Servicing

Always keep appliance and air ventage clean for safe work.



Disconnect the plug from the power supply before making any maintenance.

1) Care of the appliance

The outer casing of the appliance is made from impact-resistant plastic. Never operate the appliance when the ventilation slots are blocked. Clean the outside of the appliance at regular intervals with a slightly damp cloth.

2) Y attachment cord

For power tool with type Y attachment: if the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard. It is very dangerous for customers to troubleshoot or repair the tool for themselves. Contact the nearest A/S center (sales agency) and request for a service. Check all external parts of the appliance for damage at regular intervals and check all controls operate faultlessly. Do not operate the appliance when parts are damaged or the controls do not function correctly.

The repair shall be requested to the qualified electric specialist.

3) Environmental Protection

The tool and its accessories contain much raw materials and plastics that can be recycled after their life. Therefore, plastic parts are indicated as indicated with their material types so that they can be classified and recycled for each material type.



Do not dispose of the battery with home garbage or into the fire or river.

4) After-sales Service and Customer Assistance

questions concerning maintenance and repair of your product as well as spare parts.

Exploded views and information on spare parts can also be found under : www.keyang.com

Our customer service representatives can answer your questions concerning possible applications and adjustment of products and accessories.



EC Declaration of conformity

We declare that these products meet the standards EN 60335-1, EN IEC 60335-2-29, EN IEC 55014-1, EN IEC 55014-2, EN IEC 61000-3-2, EN 61000-3-3, EN IEC 63000 in compliance with the directives 2014/35/EU, 2014/30/EU, 2011/65/EU

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Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



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