

EN: GRINDARO – USER MANUAL

TECHNICAL DATA

Performance Data

- No-load speed: 19,500 rpm
- Grinding spindle thread: M5
- Bore size diameter: 10.0 mm
- Battery voltage: 12V
- Weight (excluding battery): 0.7 kg
- Grinding/Cutting disc diameter: 76 mm

Noise/Vibration Information

- Vibration emission value (ah): 13.5 m/s^2
- Uncertainty K: 1.5 m/s^2
- Sound pressure level: 75 dB(A)
- Sound power level: 86 dB(A)
- Uncertainty K: 3 dB

PRODUCT DESCRIPTION AND SPECIFICATIONS

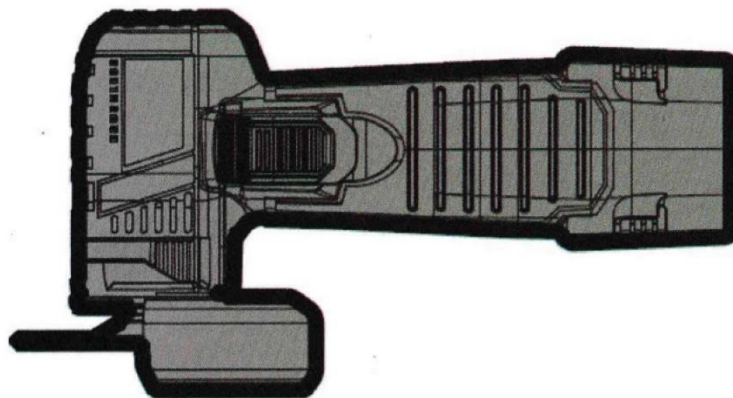
Important Safety Instructions:

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

Intended Use:

This machine is designed for cutting and roughing of metal, stone, wood, plastics, non-ferrous metals, and tiles without the use of water. A specific protection guard must be used when cutting.

Product Features:



- Direction-of-rotation arrow on housing
- Spindle lock button
- On/Off switch with battery pack

- Battery unlocking button
 - Battery charge-control indicator
 - Protection guard for grinding
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ADVANTAGES

- Handy in every situation: Extremely compact and ergonomic for quick use at construction sites.
 - High work rate due to the high-performance EC motor.
 - Versatile for a wide range of materials.
 - The first 12-volt angle grinder.
 - Easy disc replacement with the new spindle lock.
 - Easy adjustment of the protective cover without requiring tools.
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Portable Lithium Electric Angle Grinder LED Indicators

- **Capacity Indicators:**
 - 3x green ($\geq 2/3$ charge)
 - 2x green ($\geq 1/3$ charge)
 - 1x green ($< 1/3$ charge)
 - Flashing 1x red (Warning)
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MOUNTING THE PROTECTIVE DEVICES

Before performing any work on the machine (e.g., maintenance, tool change, etc.), as well as during transport and storage, always remove the battery from the tool. This prevents accidental activation of the On/Off switch, which can result in injury.

Note:

If the grinding disc breaks during operation or the protective guard/power tool fixtures are damaged, the machine must be immediately sent to an after-sales service provider for maintenance. For service locations, refer to the "After-Sales Service and Application Service" section.

Protection Guard for Cutting:

When cutting with bonded abrasives, always use the designated protection guard. Ensure adequate dust extraction when cutting stone.

MOUNTING THE GRINDING TOOLS

Before any work on the machine itself (e.g., maintenance, tool change, etc.), always remove the battery to avoid accidental activation of the On/Off switch.

- **Important:** Do not touch grinding and cutting discs before they have cooled down, as they can become extremely hot during use.
- Clean the grinder spindle and all parts to be mounted.
- To tighten or loosen the grinding tools, press the spindle lock button and simultaneously turn the grinding tool to lock the spindle. Only engage the spindle lock button when the spindle has completely stopped. Otherwise, the machine may be damaged.

GRINDING/CUTTING DISC

- Ensure the dimensions of the grinding tools are correct. The mounting hole diameter must fit the mounting flange with no play. Do not use reducers or adapters.
- When using diamond cutting discs, ensure that the direction-of-rotation arrow on the disc matches the machine's rotation direction (refer to the arrow on the housing). See the graphics section for proper mounting sequence.
- After mounting the grinding tool and before switching on, ensure that the grinding tool is properly mounted and can rotate freely. Make sure the tool does not come into contact with the protection guard or any other parts.

DISC INSTALLATION INSTRUCTIONS

- Pull the half-circle collar until it is stopped by the bolt.
- Place the disc and use the wrench to tighten the hex head.

APPROVED GRINDING TOOLS

All grinding tools mentioned in these operating instructions are approved for use.

Ensure that the permissible speed (minimum or circumferential speed [m/s]) of the grinding tools is at least equal to the values specified in the table. Always observe the permissible rotational speed and circumferential speed on the label of the grinding tool.

DUST/CHIP EXTRACTION

Dust from materials such as lead-containing coatings, some wood types, minerals, and metals can be harmful to health. Inhaling or coming into contact with such dust can cause allergic reactions and/or respiratory infections in the user or bystanders.

Certain dusts, such as oak or beech wood dust, are considered carcinogenic, especially in conjunction with wood treatment additives (chromate, wood preservatives). Materials containing asbestos must only be handled by trained specialists.

Ensure proper ventilation in the workspace. It is recommended to wear a P2-class respirator. Follow all relevant regulations in your country regarding the materials being worked on. Prevent dust accumulation at the worksite, as dust can easily ignite.

ASSEMBLY

Battery Charging:

- **Note:** The supplied battery is partially charged. To ensure full capacity, fully charge the battery in the charger before using the power tool for the first time.
- Lithium-ion batteries can be charged at any time without affecting their lifespan. Interrupting the charging process will not damage the battery.

- The battery is protected against deep discharge by 'Electronic Cell Protection (ECP)'. When the battery is depleted, the machine automatically shuts off, and the tool will no longer rotate.
 - **Important:** Do not continue pressing the On/Off switch after the machine has automatically turned off, as this may damage the battery.
 - To remove the battery, press the unlocking button and pull the battery downward. Do not use excessive force.
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GENERAL POWER TOOL SAFETY WARNINGS

Work Area Safety:

- Keep the work area clean and well-lit. Cluttered or dimly lit areas increase the risk of accidents.
- Do not operate power tools in explosive atmospheres (e.g., near flammable liquids, gases, or dust). Sparks created by power tools could ignite fumes or dust.
- Keep children and bystanders at a safe distance when operating power tools. Distractions may cause loss of control.

Electrical Safety:

- Ensure power tool plugs match the outlet. Never modify the plug in any way. Do not use adapter plugs with grounded power tools. Using unmodified plugs reduces the risk of electric shock.
- Avoid body contact with grounded surfaces (e.g., pipes, radiators, ranges, refrigerators) to minimize the risk of electric shock.
- Do not expose power tools to rain or wet conditions, as water entering the tool can increase the risk of electric shock.
- Do not misuse the power cord. Avoid using the cord for carrying, pulling, or unplugging the tool. Keep the cord away from heat, oil, sharp edges, or moving parts. Damaged or tangled cords increase the risk of electric shock.
- When operating outdoors, use an extension cord suitable for outdoor use.

Personal Safety:

- Stay alert and use common sense when operating power tools. Never use the tool if you are tired or under the influence of drugs, alcohol, or medication.
- Always wear appropriate personal protective equipment (PPE), such as eye protection, dust masks, safety shoes, hearing protection, etc.
- Prevent accidental starting by ensuring the switch is in the off position before connecting the power source and/or battery pack.
- Remove any adjusting keys or wrenches before turning on the power tool to avoid personal injury.
- Keep proper footing and balance to maintain better control of the power tool in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewelry that could get caught in moving parts.

Power Tool Use and Care:

- Do not force the power tool. Use the correct tool for the job.
- If the power tool does not switch on or off correctly, it must be repaired.
- Always disconnect the power tool from the power source before making adjustments, changing accessories, or storing it.

Battery Tool Use and Care:

- Recharge the battery using only the specified charger.
- Use only designated battery packs with the tool. Using non-designated battery packs can create a risk of injury and fire.
- Keep unused battery packs away from metal objects like paper clips, coins, and keys, as they can short-circuit the battery.

Service:

- Have the power tool serviced by a qualified repair person using only identical replacement parts to maintain its safety.
- Follow the instructions for lubricating and changing accessories.
- Keep handles dry, clean, and free of oil and grease.

INSTRUCTIONS FOR RECYCLING AND DISPOSAL:



This label means that the product cannot be disposed of as other household waste throughout the EU. To prevent potential damage to the environment or human health from uncontrolled waste disposal. Recycle responsibly to promote the sustainable use of material resources. If you want to return a used device, use the drop-off and collection system, or contact the retailer from whom you bought the product. The retailer can accept the product for environmentally safe recycling.



A declaration by the manufacturer that the product complies with the requirements of the applicable EU Directives.

EC DECLARATION OF CONFORMITY

Manufacturer: Nantong Dongyan Electromechanical Technology Co, Ltd

Address: No. 27, Group 11, Shuangqiao Village, Chuanjiang Town, Tongzhou District, Nantong City, Jiangsu Province, China

Phone: 18921671341

Email: 810260024@qq.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Product name: GRINDARO (Angle grinder)

Model no.: DY-MUM01

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

EMC directive 2014/30/EU

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

LVD directive 2014/35/EU

Machinery directive 2006/42/EC

References to the relevant harmonized standards used or references to the other technical specifications in relation to which conformity is declared:

EN IEC 55014-1:2021

EN IEC 55014-2:2021

EN IEC 61000-3-2:2019+A1:2021

EN 61000-3-3:2013+A2:2021

IEC 62321-3-1:2013

IEC 62321-4:2013+AMD1:2017

IEC 62321-5:2013

IEC 62321-6:2015

IEC 62321-7-1:2015

IEC 62321-7-2:2017

IEC 62321-8:2017

EN 60335-1:2012+A16:2023

EN 62841-1:2015+A11:2022

EN IEC 62841-2-3:2021+A11: 2021

The authorized person for compilation of the technical file is:


Matic Hribar, HS Plus d.o.o., Gmajna 8, 1236 Trzin

Imported by: HS PLUS D.O.O., Gmajna 8, 1236 Trzin, Slovenia, EU

Signed for and on behalf of (company name): Nantong Dongyan Electromechanical Technology Co, Ltd

Place and date of issue: NANTONG/2025.03.20

Name, function: 刘文焱/Director

Signature: 

Stamp:

