



Refer to the operator's manual provided with product. Always mention the appropriate item number when communicating with us regarding your battery.

## ⚠ WARNING

***This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.***

***Cancer and Reproductive Harm [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)***

### Personal Safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.**
- **Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used appropriately will reduce personal injuries.**
- **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery and when picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.**
- **Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.**
- **Do not over-reach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.**
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.**
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust related hazards.**
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.**

### Battery Tool Use and Care

- **Recharge only with ECHO eFORCE™ 56V battery series chargers. A charger that is suitable for one type of battery may create a risk of fire when used with another battery.**
- **Use only with ECHO eFORCE™ 56V battery series. Use of any other batteries may create a risk of injury and fire.**

## ⚠ WARNING

If the battery fluid gets in your eyes, flush immediately with clean water for at least 15 minutes. Get immediate medical attention. Do not charge the battery in rain or in wet conditions. Do not immerse the tool, battery, or charger in water or other liquid.

- **When battery is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or fire.**
- **Do not open or destroy the battery.** Electrolytes contained within the battery are corrosive and may cause damage to eyes or skin if released. It may be toxic if swallowed.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.**
- **Exercise care in handling batteries to avoid shorting the battery with conducting materials such as rings, bracelets, keys, etc. The battery or conductor may overheat and cause burns if contact with said materials is made.**
- **Do not use a battery or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.**
- **Do not expose a battery or tool to fire or excessive temperature. Exposure to fire or temperature above 266 °F (130 °C) may cause explosion.**
- **Follow all charging instructions and do not charge the battery or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.**

Note: See [www.echo-usa.com](http://www.echo-usa.com) for a list of compatible chargers.

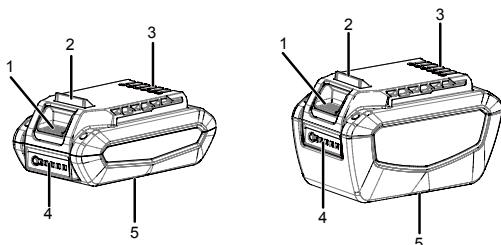
### Service

- **Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.**
- **Never service damaged batteries. Service of batteries should only be performed by the manufacturer or authorized service providers.**

## The Recommended Ambient Temperature Range:

Item	Temperature	
Battery Charging Temperature Range	32 °F (0 °C) ~ 113 °F (45 °C)	
Charger operation temperature	14 °F (-10 °C) ~ 113 °F (45 °C)	
Charger storage temperature range	-4 °F (-20 °C) ~ 185 °F (85 °C)	
Battery storage Temperature range	less than 1 month	-4 °F (-20 °C) ~ 140 °F (60 °C)
	less than 3 months	-4 °F (-20 °C) ~ 113 °F (45 °C)
	more than 3 months	-4 °F (-20 °C) ~ 77 °F (25 °C)
Battery Discharging temperature Range	-4 °F (-20 °C) ~ 140 °F (60 °C)	

## DESCRIPTION



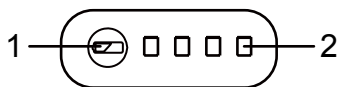
### Battery Terms

- Latch** - Battery release button.
- Engagement Tab** - Battery lock button.
- Battery Terminals** - Electrical connection between battery and charger
- Charge Indication Panel** - Battery capacity indication panel.
- Location of Model and Serial Number**

## OPERATION

### Check Battery Capacity

Press the battery capacity indicator (BCI) button (1). The lights (2) will illuminate according to the batteries capacity level. See chart below:



Lights	Capacity
4 Green Lights	The battery is at 80-100%capacity.
3 Green Lights	The battery is at 55-79% capacity.
2 Green Lights	The battery is at 24-54% capacity.
1 Green Light	The battery is at 1-24% capacity.
Lights go out	The battery is under 1% capacity and requires charging immediately.

### Battery Protection Features

This lithium-ion battery is designed with features that protect the lithium-ion cells and maximize battery life. If the tool stops during use, release the trigger to reset and resume operation. If the tool still does not work, the battery needs to be recharged.

### Cold Weather Operation

The lithium-ion battery can be used in temperatures down to -14°C (6.8°F). Put the battery on a tool and use the tool in a light duty application. After about a minute, the battery will warm up and begin operating normally.

## MAINTENANCE

### Storage Tips:

- Make sure the battery is fully charged and that the charger is disconnected before storing.
- Do not store the battery in sunlight, in an excessively warm place, or near a furnace. The battery life will be shortened.
- If the battery will not be used for 3 months or more, please store the battery in a room temperature environment. Please fully charge before storage.

### Environmentally Safe Battery Disposal



The toxic and corrosive materials below are in the batteries used in this machine: Lithium-Ion, a toxic material. Discard all toxic materials in a specified manner to prevent contamination of the environment. Before discarding damaged or worn out Li-ion battery, contact your local waste disposal agency, or the local Environmental Protection Agency for information and specific instructions. Take the batteries to a local recycling and/or disposal center, certified for lithium-ion disposal.

## **⚠ WARNING**

***If the battery cracks or breaks, with or without leaks, do not recharge it and do not use. Discard it and replace with a new battery. DO NOT TRY TO REPAIR IT! To prevent injury and risk of fire, explosion, or electric shock, and to avoid damage to the environment:***

- ***Cover the terminals of the battery with heavy-duty adhesive tape.***
- ***DO NOT try to remove or destroy any of the battery components.***
- ***DO NOT try to open the battery.***
- ***If a leak develops, the released electrolytes are corrosive and toxic. DO NOT get the solution in the eyes or on skin, and do not swallow it.***
- ***DO NOT put these batteries in your regular household trash.***
- ***DO NOT incinerate.***
- ***DO NOT put them where they will become part of any waste landfill or municipal solid waste stream.***
- ***Take them to a certified recycling or disposal center.***

## **WARRANTY**

### **Limited Warranty Statement for ECHO 56 Volt Products sold in USA and Canada**

ECHO Incorporated warrants to the original retail purchaser that this ECHO brand 56 Volt outdoor product is free from defects in material and workmanship and agrees to repair or replace, at ECHO Incorporated's discretion, any defective product free of charge within these time periods from the date of purchase:

- If the product is for homeowner use:
  - Units and Bare Tool – 5 Years
  - Battery or charger – 2 years
- If the product is for commercial use:
  - Units and Bare Tool – 2 years
  - Battery or charger – 2 years
- If the product is for rental use: 90 days for all units, batteries, and chargers.
- Cutting attachments such as, but not limited to, bars, chains, sprockets, blades, tines, belts, PowerBroom™ and nylon trimmer heads for homeowner or non-income producing use will be covered for failures due to defects in material or workmanship for a period of 60 days from original product purchase date and 30 days for commercial / rental use. Any misuse from contact with concrete, rocks, or other structures is not covered by this warranty.

This warranty extends to the original retail purchaser only and commences on the date of the original retail purchase.

Any part of this product found in the reasonable judgment of ECHO Incorporated, to be defective in material or workmanship will be repaired or replaced without charge for parts and labor by an authorized ECHO dealer. Units, repair parts and accessories replaced under this warranty are warranted only for the balance of the original warranty

period.

The product, including any defective part, must be returned to an authorized ECHO dealer within the warranty period. The expense of delivering the product to the service center for warranty work and the expense of returning it back to the owner after repair or replacement will be paid by the owner. ECHO Incorporated's, responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any ECHO brand 56 Volt outdoor product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an authorized ECHO dealer.

This warranty does not cover any units, battery or charger that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the Operator's Manual.

This warranty does not cover normal deterioration due to the use or exposure, and any repairs made necessary by normal wear, improper maintenance, improper lubrication, improper storage, dirt, abrasives, impact, moisture, water, rain, snow, rust, corrosion, varnish, or other similar conditions.

This warranty does not cover damage to chargers or batteries by improper charging voltage and batteries that have been exposed to temperatures beyond those specified in the Operator's Manual, batteries that have not been properly charged or batteries that have reached their useful life. This warranty does not apply to any damage to the product that is the result of improper maintenance or to any product that has been altered or modified. The warranty does not extend to repairs made necessary by normal wear or by the use of parts or accessories which are either incompatible with the ECHO brand 56 Volt outdoor product or adversely affect its operation, performance, or durability. In addition, this warranty does not cover wear to normal items such as, but not limited to:

Wear items – Bump Knobs, Outer Spools, Cutting Lines, Inner Reels, Felt Washers, Hitch Pins, Mulching Blades, Blower Fans, Blower and Vacuum Tubes, Vacuum Bag and Straps, Guide Bars, Saw Chains, Grass Catch Bag, Hedge Trimmer Blades, and Wheels

ECHO Incorporated, reserves the right to change or improve the design of this product without assuming any obligation to modify any product previously manufactured.

All implied warranties are limited in duration to the stated warranty period. Accordingly, any such implied warranties including merchantability, fitness for a particular purpose, or otherwise, are disclaimed in their entirety after the expiration of the appropriate five-year, two-year, one-year, 90-day, 60-day, or 30-day warranty period. ECHO Incorporated's obligation under this warranty is strictly and exclusively limited to the repair or replacement of defective parts. ECHO Incorporated, does not assume or authorize anyone to assume for them any other obligation. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. ECHO Incorporated, assumes no responsibility for incidental, consequential, or other damages including, but not limited to, expense of returning the product to an authorized dealer for ECHO brand 56 Volt outdoor products and expense of delivering it back to the owner, mechanic's travel time, telephone charges, rental of a like product during the time warranty service is being performed, travel, loss or damage to personal property, loss of revenue, loss of use of the product, loss of time, or inconvenience. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion

may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty applies to all ECHO brand 56 Volt outdoor products manufactured by or for ECHO Incorporated, and sold in the United States and Canada.

To locate your nearest authorized ECHO dealer, visit [www.ECHO-usa.com](http://www.ECHO-usa.com) or dial 1-800-432-ECHO (3246).

For additional literature, including safety manuals where applicable, or questions regarding terms used in this manual, visit: <https://www.echo-usa.com/manuals> OR call the ECHO Consumer Product Support Department at 1-800-432-ECHO (3246) from 8:00 am to 5:00 pm (Central Standard Time) Monday through Friday.

## PRODUCT REGISTRATION



PRODUCT REGISTRATION CARD : TARJETA DE REGISTRO : CARTE D'ENREGISTREMENT DU PRODUIT

<b>ONLINE OPTION:</b> Register online and save a stamp! You will be alerted of product updates and/or be sent new ECHO product information and special offers. Simply go to: <a href="http://www.echo-usa.com">www.echo-usa.com</a>	<b>OPCIÓN POR INTERNET:</b> Regístrese en la página web y ahorre una estampilla! Le alertarán sobre actualizaciones del producto y/o se le enviara información sobre los nuevos productos ECHO y las ofertas especiales. Simplemente visite: <a href="http://www.echo-usa.com">www.echo-usa.com</a>	<b>OPTION EN LIGNE :</b> Enregistrer en ligne et épargner un timbre! Vous serez informé sur les nouveaux produits ECHO et les mises à jour de produit ainsi que les offres spéciales. Simplement visitez le: <a href="http://www.echo-usa.com">www.echo-usa.com</a>
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Please Print : Por Favor Escriba Con Letra De Moldé : En Lettre Carré S.V.P.

Confidential: Information provided will not be shared or sold

Purchaser's Name : Nombre del Comprador : Nom de l'acheteur		
Address : Dirección : Adresse		
City : Ciudad : Ville	State : Estado : Province	Zip Code : Código Postal : Code Postal
E-Mail Address : Dirección De Correo Electrónico : Courrier Électronique		
Phone Number : Número De Teléfono : Téléphone	Date of Purchase : Fecha de la Compra : Date de l'achat	
Where Purchased : Nombre del Almacén donde fue Comprado : Lieu d'achat		
Model Number : Numero del Modelo : No. de modèle	Serial Number : Numero de Serie : No. de série	

Primary use of tool:  Professional  Homeowner  Rental Equip.  
 Uso primario de la herramienta:  Profesional  Dueño de casa  Alquiler  
 Usage principal:  Professionnel  Residential  Location

Do you wish to receive periodic ECHO product information and special offers by e-mail?  Yes  No  
 ¿Desea usted recibir información periódica y ofertas especiales por correo electrónico sobre el producto ECHO?  Yes  No  
 Souhaitez-vous recevoir périodiquement de l'information sur les produits ECHO et les offres spéciales par courrier électronique?  Oui  Non

Did you visit the ECHO website before purchasing your product?  
 Yes  No  
 Visité usted la pagina web ECHO antes de comprar su producto?  
 Si  No  
 Avez-vous visité le site d'ECHO avant de procurer votre produit?  
 Oui  Non

What factor(s) most influenced your purchase?  
 Performance  Price  Dealer  
 Reliability  Prior Experience  Quality  
 Friend/Family  Brand  Warranty

¿Qué factor(es) influenció más en su compra?  
 Funcionamiento  Precio  Distribuidor  
 Confiabilidad  Experiencia Anterior  Calidad  
 Amigo/Familia  Marca  Garantía

Quel facteur (facteurs) vous a influencé le plus?  
 Performance  Prix  Marchand  
 Fiabilité  Expérience  Qualité  
 Ami/Famille  Marque  Garantie

Registering your purchase enables us to contact you in the unlikely event of a service update or product recall and verifies your ownership in the event of loss. El registrar su compra nos permite estar en contacto con usted en caso de cualquier evento como el aviso de tiempo de servicio o la revocación del producto y verificación de propiedad en caso de robo o pérdida. L'enregistrement de votre achat nous permettra de vous contacter dans le cas improbable de modifications des instructions d'entretien ou de rappel du produit et vérifier que vous êtes le propriétaire en cas de vol ou de perte.

ECHO INC., 400 Oakwood Rd., Lake Zurich, IL 60047  
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## SAVE THESE INSTRUCTIONS

