



SI-7DH0C-001-00

The following instructions must be observed at all times in order to prevent personal injury and physical damage to equipment and surroundings.

- The instructions are classified according to the degree of danger or damage which may occur if the product is used incorrectly.

⚠ DANGER

Failure to follow the instructions will result in death or serious injury.

⚠ WARNING

Failure to follow the instructions could result in death or serious injury.

⚠ CAUTION

Failure to follow the instructions could cause personal injury or physical damage to equipment and surroundings.

Be sure to observe the following in order to avoid burns or other injury from fluid leakages, overheating, fire or explosions.

⚠ DANGER

Do not use anything other than the special charger to charge the battery.	If any non-specified items are used, fire, overheating or leakages may occur.
Do not heat the battery or throw it into fire.	If this is not observed, fire or bursting may occur.
Do not leave the battery in places which may exceed 60°C in temperature, such as places which are exposed to direct sunlight inside vehicles on hot days or near stoves.	If this is not observed, leakages, overheating or bursting may cause fire, burns or other injury to occur.
Do not disassemble or modify the battery or apply solder directly to the battery terminals.	
Do not connect the (+) and (-) terminals with metallic objects. Do not carry or store the battery together with metallic objects such as necklaces or hairpins.	If this is not observed, short-circuits, overheating, burns or other injury may occur.
If any liquid leaking from the battery gets into the eyes, immediately wash the affected area with clean water without rubbing the eyes, and then seek medical advice. If this is not done, blindness may occur.	

⚠ WARNING

If charging is not complete after 1.5 hours of charging time has elapsed, stop the charging.	If this is not observed, fire, bursting or overheating may occur.
Do not place the battery into fresh water or sea water, and do not allow the battery terminals to get wet.	
The operating temperature ranges for the battery are given below. Do not use the battery in temperatures outside these ranges. 1. During discharge and storage: -10°C - 50°C 2. During charging: 0°C - 45°C	If the battery is used or stored in temperatures which are outside these ranges, fire, injury or problems with operation may occur.
Do not use the battery if it has any noticeable scratching or other external damage.	If this is not observed, bursting, overheating or problems with operation may occur.
Do not subject the battery to strong shocks or throw it.	
Do not use the battery if leakages, discoloration, deformation or any other abnormalities occur.	
If any leaked fluid gets on your skin or clothes, wash it off immediately with clean water. The leaked fluid may damage the skin.	

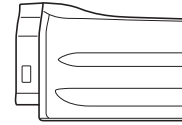
⚠ CAUTION

Keep away from children.
If not using the battery for long periods, remove it and store it away in a safe place.
Contact the place of purchase or your nearest Shimano agent for advice on disposing of used batteries.

Technical Service Instructions SI-7DH0C-001

SM-BTR1

Lithium Ion Battery

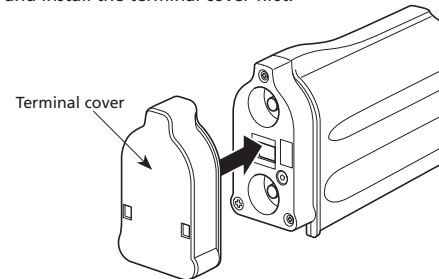


■ Main specifications

Battery	Lithium ion
Nominal capacity	530 mAh
Weight	71 g standard
Operating temperature range	When discharging : -10 – 50 °C When charging : 0 – 45 °C
Storage temperature range	-20 – 60 °C
Nominal voltage	7.4 V

When storing the battery

When storing the battery away, remove the battery from the system and install the terminal cover first.



- If storing the battery away for a long period, remove it when the indicator is at the half-way level (for the FLIGHT DECK) or when the green indicator is flashing (for the SM-EW79A) in order to prolong its useful life.
It is recommended that you check the condition of the battery about once every half a year.
- If the battery is stored in cold locations, the performance of the battery may drop and the length of time that it can be used may become shortened.

Battery life

- The battery is a consumable item. The battery will gradually lose its capacity for charging after repeated use and after time has passed. If the length of time that the battery can be used becomes extremely short, it has probably reached the end of its life, and so you will need to purchase a new battery.
- The life of the battery will vary depending on factors such as the storage method, the usage conditions, the surrounding environment and the characteristics of the individual battery pack.

Guide to charging time

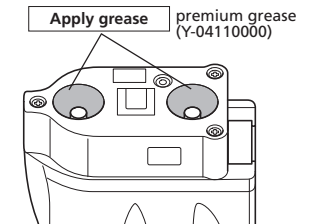
The charging time is approximately 1.5 hours.
(Note that the actual time will vary depending on the amount of charge remaining in the battery.)

* Refer to the Service Instructions for the SM-BCR1 for details on the charging method.

Proper use of the battery

- If the battery feels difficult to insert or remove, apply specified grease (premium grease).

Apply specified grease to the part that touches the O-ring at the side.



⚠ CAUTION

Risk of fire and burns. Do not open, crush, heat above 140°F(60°C) or incinerate. Follow manufacturer's Instruction. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instruction.
Maximum Charge Current 2.0 A
Maximum Charge Voltage 8.5V dc

* Service Instructions in further languages are available at:
<https://si.shimano.com>

Please note: specifications are subject to change for improvement without notice. (English)

SHIMANO



SHIMANO NORTH AMERICA BICYCLE, INC.

One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

SHIMANO EUROPE B.V.

High Tech Campus 92, 5656 AG Eindhoven, The Netherlands Phone: +31-402-612222

MADISON (A DIVISION OF H.YOUNG (OPERATIONS) LTD)

Roebuck Way, Knowlhill, Milton Keynes, Buckinghamshire, MK5 8HL, United Kingdom

SHIMANO INC.

3-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577, Japan

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