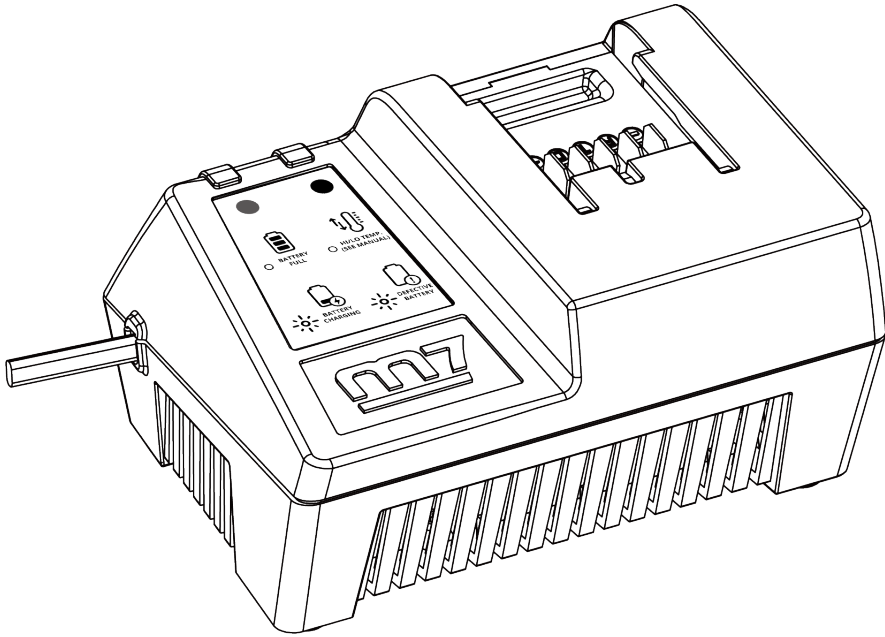




Operator's Manual

■ Battery Charger

DC-101



www.mighty-seven.com

CAUTION: TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND THE OPERATOR'S MANUAL. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

SAFETY SYMBOLS

Some of these following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and more safely.

SYMBOL	Name	Designation / Explanation
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (Cycles Per Wecond)
W		Power
~	Alternating Current	Type Of Current
≡	Direct Current	Type Or Characteristic Of Current
lbs	Pounds	Weight
	Class II Construction	Double Insulated Construction
		Only use the charger indoors
		Recycling code
		Read the instruction manual before use
		Do not dispose of electric tools and batteries together with household waste material
T3.15A		Time lag fuse

WARNING: To ensure safety and reliability, all repairs should be performed by a qualified service technician.

SPECIFIC SAFETY RULES

- For appliances with type Y attachment: If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- During charging, the battery must be placed in a well-ventilated area.
- This appliance is not intended for use by persons (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 for their safety.
- Children should be supervised to ensure that they do not play with the appliance. cleaning and user maintenance shall not be made by children without supervision
- Do not attempt to recharge non-rechargeable batteries with the charger.

SPECIFICATIONS

Model	DC-101
Li-Ion Battery Pack	DB-1850P (5.0Ah), DB-1825(2.5Ah) DB-401 (4.0Ah), DB-501 (5.0Ah)
Charger	• input :100-240Vac, 60~50Hz, 140W • output :21Vdc, 6A
Allowable Temperature Range (°C)	• When Charging 4°C ~ 40°C • During Operation 0°C ~ 50°C
Rated Voltage (V \equiv)	21
Rated Current (A)	6
Weight (g)	635

NOTE: Due to **M7** continuing program of development, the specifications in this manual are given as general information and are not binding. We reserve the right to effect, at any time and without prior notice, changes or alternations to parts, fitting and accessory equipment deemed necessary for any reason what so ever.

OPERATION

1. BATTERY CHARGING

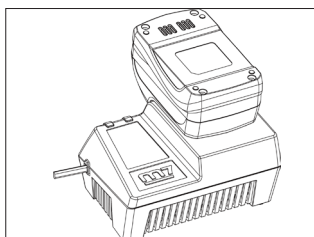
The battery is supplied partially charged. To ensure full capacity of the battery, completely charge the battery in the battery charger before. A fully discharged battery pack will charge in 60 minutes for all M7 battery pack in a surrounding temperature between 39.2° F (4° C) and 104° F (40° C).

- Charge the Lithium-Ion battery pack with the correct charger.
- Connect the charger to a power supply.
- Align the raised ribs of the battery pack with the slot in the charger.

- Slide the battery pack onto the charger.
- The charger will communicate with the battery pack to evaluate the condition of the battery pack.
- The POWER BAR LED lights will cycle from right to left during charging. This is part of the normal charging operation.
- After charging is complete, the green LED on the charger will come on and the POWER BAR LED lights will go displayed when the POWER BAR button is pressed while the battery pack is on the charger.
- The battery pack will fully charge if left on the charger, but it will not overcharge.

OPERATION

NOTE: For your convenience, the charger can operate with most generators and inverters rated at 140W watts or higher.



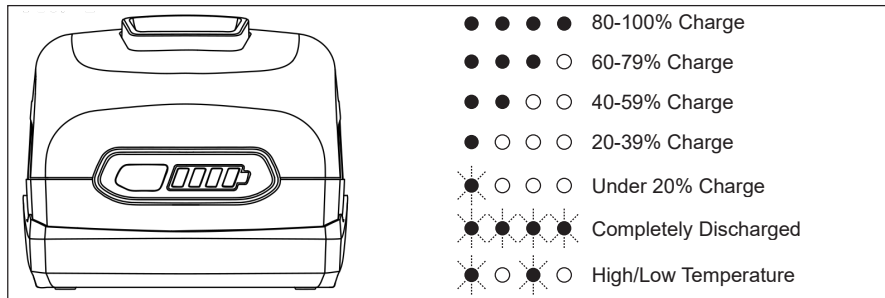
2. LED FUNCTIONS OF CHARGER

LED INDICATOR	BATTERY PACK	RED LED	GREEN LED	ACTION
HI/LO TEMP. (SEE MANUAL)	Hot/Cold battery	On	Off	Charging will begin when battery returns to 4°C-40°C
DEFECTIVE BATTERY	Defective	Flashing	Off	Battery pack or Charger is defective
BATTERY CHARGING	Charging	Off	Flashing	Charging
BATTERY FULL	Fully charged	Off	On	Charging is complete Maintenance charging

3. POWER BAR

This Lithium-Ion battery pack is equipped with a POWER BAR, which is used to display the battery pack's remaining run time. Press the POWER BAR button to display the LED lights. The LED lights will stay lit for approximately 4 seconds.

NOTE: The POWER BAR can be used whether the battery is attached or removed from tool.



4. LOW-BATTERY CAPACITY INDICATOR

- If LED worklights on the POWER BAR begin to rapidly and continuously flash when the trigger switch on the wrench is depressed, the battery pack's power has run out, and the battery pack should be recharged.
- Unlike other battery pack types, Lithium-Ion battery packs deliver fade-free power for their entire run time. The tool will not experience a slow, gradual loss of power as you work.
- To signal that the battery pack is at the end of its run time and needs to be charged, the power to the tool will drop quickly. The POWER BAR will begin to display four flashing LED lights when the battery is completely discharged. When this happens, remove the tool from the workpiece, and charge the battery pack as needed.

OPERATION

NOTE: The POWER BAR may also display four flashing LED lights due to an overload or high temperature situation.

5. WHEN TO CHARGE THE BATTERY PACK

The Lithium-Ion battery can be charged at any time and will not develop a "memory" when charged after only a partial discharge. It is not necessary to run down the battery pack charge before

recharging. Remove the battery pack from the tool when convenient for you and your job.

- Use the POWER BAR to determine when you need to recharge the battery pack.
- You can "top-off" your battery pack's charge before starting a big job or long period of use.

ENVIRONMENT PROTECTION



- Tool, accessories and packaging should be sorted for environment-friendly recycling.
- Power tools and accessories at the end of their service life still contain large amounts of valuable raw materials and plastics which can likewise be fed back into a recycling process.
- Some dust created by working contains harmful chemicals must be collected by special garbage re-cycle site.

Only for EU countries

- Do not dispose of electric tools, accessories and packaging together with household waste material
- in observance of European Directive 2012/19/EC on waste of electric and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Only for UK countries

- Do not dispose of electric tools, accessories and packaging together with household waste material
- in observance of on Waste Electric and Electronic Equipment Regulations 2013 (SI 2013 / 3113), electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

CAUTION Prior to disposal protect battery terminals with heavy tape to prevent short-circuit.

SERVICE

- In case of warranty, repair or the purchase of spare parts, always contact an authorized service center. Attach the service card and the invoice.
- The warranty does not cover normal wear, overloading or abnormal use of the product.



EC DECLARATION OF CONFORMITY

Brand Name: Mighty Seven

Serial Number: Please refer to the Battery Charger

to which this declaration applies, complies with these normative documents:

- **Machinert Directive:** 2006/42/EC
- **EMC:** 2014/30/EU

and conforms to the following EN standard,

Battery Charger

Item No.: DC-101 (Charger)

to which this declaration applies, complies with these normative documents:

- **LVD:** 2014 / 35 / EU
- **EMC:** 2014 / 30 / EU
- **and conforms to the following EN standard,**
- **IEC 60335-1:2010+AMD1:2013+AMD2:2016**
- **IEC 60335-2-29:2016+AMD1:2019**
- **EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019+A15:2021+A16:2023**
- **EN 60335-2-29:2021+A1:2021+A11:2024**
- **EN 62233:2008**

Declared in: Taichung, Taiwan

Date: 2025/05/01

Signature

Jay Lin

Jay Lin
Declared by: QA Manager

Manufacturer:

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General Manager

Warranty Card

Manufacturer's limited warranty

Mighty Seven International Co., LTD. offers limited warranty to the products manufactured by **Mighty Seven** and sold by its worldwide authorized dealers. The limited warranty only applies to products that are defective in material and workmanship and does not apply to products which have been abused, misused, service representatives.

If there is a defective product of **Mighty Seven**, please send it prepaid to the dealer where it was purchased from along with address and contact information. Repairs or replacements are warranted as described above; otherwise, the service of repairs or replacements will be charged.

Please Keep This card For Warranty

Date of Purchase	Model No.
Warranty Expiration Date:	Serial No
Distributor Stamp	

Date of Purchase :	Model No:
Warranty Expiration Date :	Serial No:
Name:	
Company Name:	
Address:	
Tel:	Fax:
E-mail:	

Type of Business:

- | | |
|---|--|
| <input type="checkbox"/> Agriculture | <input type="checkbox"/> Paint & Body Repair |
| <input type="checkbox"/> General Auto Repair | <input type="checkbox"/> Public Work / Gov.Utilities |
| <input type="checkbox"/> Tire | <input type="checkbox"/> Factory |
| <input type="checkbox"/> Truck Maintenance/Repair | <input type="checkbox"/> Home Use |
| <input type="checkbox"/> Car Maker | <input type="checkbox"/> Other |