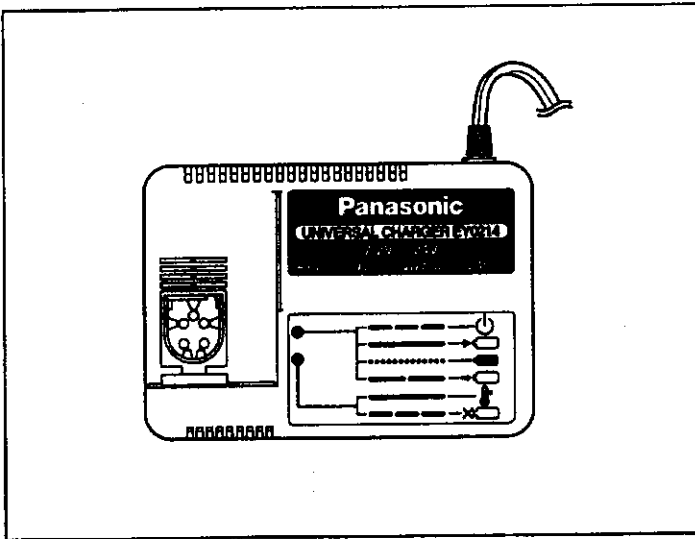


Panasonic INC.

Battery charger

Operating Instructions

Model No: EY0214



Before operating this unit, please read these instructions completely and save this manual for future use.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

1) SAVE THESE INSTRUCTIONS

-This manual contains important safety and operating instructions for battery charger EY0214.

2) Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery pack.

3) **CAUTION** -To reduce the risk of injury, charge only Battery Pack as shown below.

EY9103, EY9101, EY9001, EY9006, EY9180, EY9080, EY9182, EY9086, EY9065, EY9106, EY9107, EY9136, EY9117, EY9230, EY9200, EY9108, EY9210

Other types of batteries may burst causing personal injury and damage.

4) Do not expose charger to rain or snow.

5) To reduce risk of damaging the electric plug and cord, pull by plug rather than cord when disconnecting charger.

6) Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.

7) An extension cord should not be used unless absolutely necessary.

Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:

- that pins on plug of extension cord are the same number, size and shape as those of plug on charger.
- that extension cord is properly wired and in good electrical condition.

c. that wire size is large enough for ampere rating of charger as specified below.

RECOMMENDED MINIMUM AWG SIZE OF EXTENSION CORDS FOR BATTERY CHARGERS

AC Input Rating, Amperes		AWG Size of Cord			
Equal to or greater than	But less than	Length of Cord, Feet			
		25	50	100	150
0	2	18	18	18	16

8) Do not operate charger with damaged cord or plug—replace them immediately.

9) Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.

10) Do not disassemble charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

11) To reduce the risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning.

12) The charger and battery pack are specifically designed to work together. Do not attempt to charge any other cordless tool or battery pack with this charger.

13) Do not attempt to charge the battery pack with any other charger.

14) Do not attempt to disassemble the battery pack housing.

15) Do not store the tool and battery pack in locations where the temperature may reach or exceed 122°F (50°C) (such as a metal tool shed, or a car in the summer), which can lead to deterioration of the storage battery.

16) Do not charge battery pack when the temperature is BELOW 32°F (0°C) or ABOVE 104°F (40°C). This is very important.

CHARGING THE BATTERY

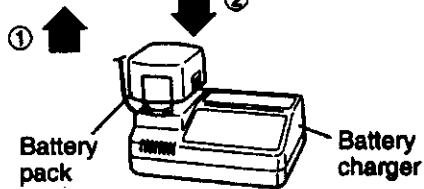
NOTE: When you charge the battery pack for the first time, or after prolonged storage, charge it for about 24 hours to bring the batteries up to full capacity.

1. Plug the charger into the power source.

NOTE: Sparks may be produced when the plug is inserted into the AC power supply, but this is not a problem in terms of safety.

2. Open the cap and insert the battery pack firmly into the charger.

To power source



- When charging, cooling fan in the charger functions to cool down the battery pack, and the sound of fan can be heard. This is normal. If this sound cannot be heard, it is a malfunction. Stop charging immediately and consult an authorized dealer.

3. During charging, the charging lamp will be lit.

When charging is completed, an internal electronic switch will automatically be triggered to prevent overcharging.

- Charging will not start if the battery pack is warm (for example, immediately after heavy-duty operation).

The orange standby lamp will be lit until the battery cools down. Charging will then begin automatically.

4. When charging is completed, the charging lamp will start flashing rapidly.

5. When the battery pack has not been used for a long time, the charging lamp starts flashing slowly to indicate protective charging. Protective charging takes longer to fully charge the battery pack, than the standard charging time. (Max. charging time is approx. 90 minutes.)

- 17) Do not inclinate the battery pack. It can explode in a fire.

- 18) Avoid dangerous environment. Do not use charger in damp or wet locations.

- 19) The charger is designed to operate on standard household electrical power only. Do not attempt to use it on any other voltage!

- 20) Do not abuse cord. Never carry charger by cord or yank it to disconnect from outlet. Keep cord away from heat, oil and sharp edges.

- 21) Charge the battery pack in a well ventilated place, do not cover the charger and battery pack with a cloth, etc., while charging.

- 22) Use of an attachment not recommended may result in a risk of fire, electric shock, or injury to persons.

- 23) Do not short the battery pack. A battery short can cause a large current flow, over heating and burns.

- 24) **NOTE:** If the supply cord of this appliance is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

- 25) **TO REDUCE THE RISK OF ELECTRIC SHOCK, THIS APPLIANCE HAS A POLARIZED PLUG (ONE BLADE IS WIDER THAN THE OTHER).**

This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

- Changes or modifications not expressly approved by MATSUSHITA ELECTRIC WORKS, LTD. could void the user's authority to operate the equipment.

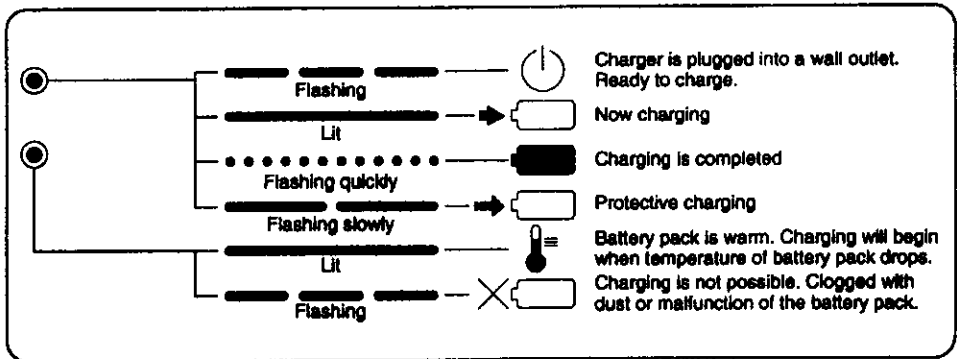
- If a fully charged battery pack is inserted into the charger again, the charging lamp may light up and then flash slowly. After several minutes, the charging lamp may flash quickly to indicate the charging is completed.

6. If the charging lamp does not light immediately after the charger is plugged in, or if after the standard charging time the lamp does not go off, consult an authorized dealer.

- Note:**
- When charging a cool battery pack (below 5°C) in a warm place, leave the battery pack at the place and wait for more than one hour to warm up the battery to the level of the ambient temperature. (Battery pack may not be fully charged.)
 - Cool down the charger when charging more than two battery packs consecutively.
 - Do not insert your fingers into contact hole, when holding charger or any other occasions.

- CAUTION:**
- Do not use power source from an engine generator.
 - Do not cover vent holes on the charger and the battery pack.

LAMP INDICATIONS



SPECIFICATIONS

Weight	0.97kg, (2.14 lbs)					
Charging time	24V	15.6V	12V	9.6V	7.2V	Standard Charging Time
	—	—	EY9001 EY9006	EY9080 EY9086	EY9065	Approx. 20 min.
	—	—	EY9101 EY9103	EY9180 EY9182	—	Approx. 25 min.
	EY9117	EY9136	EY9106 EY9107 EY9108	—	—	Approx. 30 min.
	EY9210	EY9230	EY9200	—	—	Approx. 45 min.

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