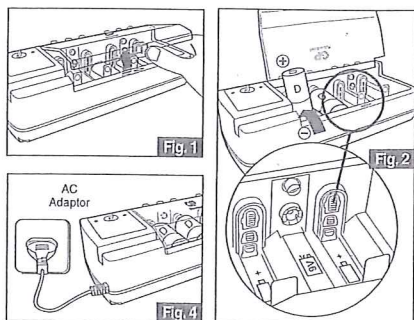


GP PowerBank S320

Instruction Manual



Charging Time (1 to 4 pcs AA/AAA/C/D or 1 to 2 pcs 9V)

	Size	NIMH Battery	Charging Time (hrs)
GP NIMH	AA	2000 series ~ 2700 series	9 - 15
		min. 2000mAh ~ min. 2700mAh	
		1000 series ~ 1950 series	6 - 9
		min. 1000mAh ~ min. 1950mAh	
	AAA	400 series ~ 1000 series	2 - 6
		min. 400mAh ~ min. 1000mAh	
	C	2200 series ~ 3500 series	9 - 15
		min. 2200mAh ~ min. 3500mAh	
	D	2200 series ~ 4500 series	9 - 15
		min. 2200mAh ~ min. 4500mAh	
9V	170 series	15	
	min. 170mAh		

Specifications

Plug Type	Input Voltage	Output Voltage	Rated Charging Current (mA)
GS	AC 230V	AA/AAA/C/D -	AA size 270mA
	-50Hz	4 x 1.2V DC	AAA size 270mA
BS	8.5W	9V - 2 x 9V DC	C size 270mA
			D size 270mA
			9V size 13mA

LED Indication

Battery charging:

Condition	Indication
• Stand by	• LED off
• Charging in progress	• Red LED on
• When charging is finished and switch to trickle charge	• "TRICKLE" Green LED on

Battery testing:

Indicator	Remarks
• Orange bulb on	• No need for recharging
• Orange bulb off	• Please recharge

Battery discharging:

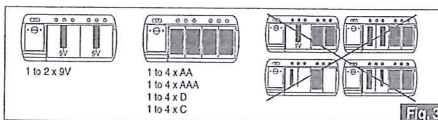
Condition	Indication
• Discharging in progress	• LED off

Charger Features

- Corded type charger with built-in AC adaptor
- Automatic charging current selection
- Charge 1 to 4 pieces of NIMH AA/AAA/C/D batteries and 1 to 2 pieces of 9V batteries
- Equipped with 4 individual charging channels for AA/AAA/C/D batteries & 2 channels for 9V batteries
- 6 LED indicators (4 for AA/AAA/C/D batteries, 2 for 9V batteries)
- 1 LED for trickle charging
- 1 bulb for battery testing

Charging Instructions

1. Open the cover (Fig. 1).
2. Insert 1 to 4 pieces of AA/AAA/C/D batteries, or insert 1 to 2 pieces of 9V batteries in the charging channel(s) according to the polarity indications (+/-). Please follow the battery placement shown (Fig. 2) Do not mix batteries of different size or capacities in the same charging time period (Fig. 3).



3. Plug the charger into AC power source (Fig. 4).
4. For charging, set the timer according to the given charging timetable.
5. Slide the function switch on the unit to the "CHARGE" position.
6. The LED indicator(s) of corresponding slot will light up in red when charging is in progress.
7. After the predetermined time, the "TRICKLE" LED indicator will light up in green and the charger will switch to the trickle charge mode. (There is no trickle charging for 9V battery)
8. Unplug the charger from the power source and remove the batteries when they are fully charged. Charging time may vary based on different battery capacities (refer to charging time table).
9. For battery tester function, slide the function switch to the "TEST" position.
10. Insert a 1.2V battery of AA/AAA/C/D to the first slot on the left, the "TEST" bulb indicator will light up in orange. Please charge the battery if the bulb does not light up.
11. While the battery is being tested in the first slot (left), the battery(ies) in other slot(s) will continue to be charged during testing.
12. After charging process is completed, test the battery again. If the LED still glows weakly, it is recommended to discard the battery.
13. 9V battery cannot be tested.
14. To discharge the batteries, slide the function switch to the "DISCHARGE" position.
15. The LED(s) will be off when the batteries are being discharged.
16. To check the battery condition, use the "TEST" function.
17. 9V battery cannot be discharged.

For best performance and safety, charge only GP NIMH batteries with GP PowerBank.

For charging conventional GP NIMH rechargeable batteries

1. For brand new batteries, 2 to 3 times of charging and usage cycles are required to optimize the batteries' performance.
2. If batteries are stored for more than one week, always recharge them before use.

For charging new generation NIMH rechargeable batteries (GP ReCyko+ batteries)

1. GP ReCyko+ batteries are pre-charged. No need to recharge prior to first use. Please recharge if the batteries cannot power up your devices.
2. GP ReCyko+ batteries come with good capacity retention. Remove the batteries and unplug the charger once the charging is complete. Do not leave batteries in the charger for extended periods. Always unplug the charger when it is not in use.

Caution

1. Charge only NIMH type rechargeable batteries. Other types of batteries may burst causing personal injury and damage.
2. Do not charge non-rechargeable batteries.
3. Do not mix different types of batteries (eg. NIMH, NiCd, alkaline, etc) in the electrical device.
4. Do not use new and old batteries in the device at the same time. Do not charge batteries with different stages of charge, brands or capacities at the same time.
5. It is normal for batteries to become warm during charging and they will gradually cool down to room temperature after fully charged.
6. Battery storage temperature: -20°C to 35°C. Charger operation temperature: 0°C to 40°C.
7. Never use an extension cord or any attachment not recommended by GP, otherwise may lead to a risk of fire, electric shock or personal injury.
8. Unplug the charger from the outlet before attempting cleaning or when not in use.
9. Do not short circuit batteries.
10. Do not wet, incinerate or disassemble the charger and batteries.
11. Indoor and dry location use only. Do not expose the charger to rain, snow or extreme conditions.
12. 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.
13. 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.
14. Children should be supervised to ensure that they do not play with the appliance.

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.