

Introduction:

DPS-6000 is a new type of intelligent charger with a LCD display. It has -dV, Vmax, Temperature and Timer protection. The charger has 2 independent channels and 2 or 4 Ni-MH batteries (AA or AAA) can be charged at the same time. It is convenient for home or travel as a portable compact charger.

Technical Parameters:

1	Input voltage	AC 100-240V, 50/60Hz for adapter DC 12V,500mA for charger
2	Input plug for adapter	US
3	Power work mode	Switching mode
4	Light indicators	LCD indicates the charging status
5	LCD indication status	<p>Charger Indicator:</p> <p>1) Charging: Battery indicator rolling from 0 to 3</p> <p>(0) (1) (2) (3)</p> <p>2) Charge finished: Battery indicator remains constantly on: </p> <p>3) Fault: Battery symbol flash (1/sec.): </p> <p>4) Power on but no batteries in the charger: </p> <p>5) Power off: LCD off</p>
6	Battery type	Ni-MH rechargeable battery AA/AAA battery
7	Battery number	2 or 4 pcs AA/AAA 2 batteries can charge at left or right 2 channels
8	Battery capacity	AA ≤ mini 2500mAh AAA ≤ mini 1000mAh
9	Charging current	AA*2: 1500mA±250mA AA*4: 750mA±125mA (Pulse current I _{max} =1.5A±250mA, 50% duty, 1s on, 1s off) AAA*2: 350mA±100mA AAA*4: 350mA±50mA (Pulse current I _{max} =700mA±100mA, 50% duty, 1s on, 1s off)
10	End of charge detection	
	-dV	0-24mV/Channel
	Max voltage	3.4V±100mV/Channel
	Cut off temperature	47-55°C 1 temperature sensor each Channel
11	Charging Time	120min ±10% 2pcsAA 240min ±10% 4pcsAA 180min ±10% 2/4pcsAAA
12	Protection	
	+/- polarity wrong connection	No charging current
	AA and AAA mixed	Charge as AAA battery
	Alkaline	No charging current
13	Average Trickle current	20-100mA
14	Dimension	116mm(L)x75mm(W)x33.5mm(H)
15	Best Ambient Temperature	20-25°C
16	Approval type	AC Adapter: CETL Charger: FCC

Physical Diagram:



Instructions:

Step 1. Load batteries into charger

1. This charger is designed to charge 2 or 4 AA or AAA Ni-MH rechargeable batteries.
2. If you want to charge 4 AA, or 2 AA and 2 AAA, put batteries into the charger compartments, taking care to observe polarity (+/-) as indicated inside the charger. (Fig.1)



Fig.1 Charging 4pcs of AA or AAA

3. If charging only 2 batteries at a time, place the batteries in the left or right side compartments of the charger. (Fig.2)



Fig.2 Charging 2pcs of AA or AAA

Step 2. Plug in the charger

1. Connect the charger input plug with AC mains.

Step 3. Charging start and LCD indication

1. The LCD battery indicator rolls to indicate batteries are being charged. The LCD battery indicator remains constantly on to indicate batteries are fully charged.
2. The LCD battery symbol flashes to indicate charger is in fault mode.
3. No LCD light indicates the charger is in default mode.
4. The LCD indicating list is as follows:

No.	Status of LCD	Status of charger
1	Rolling	Charging
2	On	Full charged
3	Flashing	Fault mode
4	Off	Default mode *

Note: * The charger will not supply charging current under default mode. The default mode is due to the below cases:

- A. No battery put inside charger
- B. Battery connected with reverse-polarity
- C. The charger has an internal failure
- D. Power off

Step 4. End of Charging

1. When the charge time is completed, the batteries could be taken out and are ready for use.
2. Remove the charger from the AC mains.
3. Follow the process from step 1 if you want to start another charge.

Note: Proposed working temperature for charger: 20°C-25°C.

Important Safety Instructions:

- a) Before charging, read usage instructions.
- b) This charger is designed for indoor use only. Do not expose to moisture or rain.
- c) Please do not recharge non-rechargeable batteries.
- d) This charger is intended to charge AA/AAA metal-hydride (Ni-MH) batteries only. Attempting to charge any other types of batteries may cause personal injury and damage.
- e) This charger can charge 2 AA and 2 AAA at the same time.
- f) Do not mix Alkaline/Ni-MH, or different capacity batteries together to charge.
- g) Remove charger from AC mains when not in use.
- h) Never use an extension cord or any attachment not recommended by manufacturer. Otherwise, this may result in a risk of fire, electric shock or injury to persons.

- i) Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified service-man for repair. Not recommended for use by children.
- j) Do not disassemble the charger. Incorrect reassembly may result in a risk of electric shock or fire. Unplug the charger from outlet before attempting any maintenance or cleaning.
- k) This power unit is intended to be correctly positioned in a vertical or floor mount position.
 - I) For connection to a supply not in the U.S.A, use an attachment plug adapter of the proper configuration for the power outlet.
- m) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.
- n) Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ONE YEAR WARRANTY:

Mizco International, Inc., warrants this product to be free from defects in materials and workmanship to the original purchaser for a period of ONE YEAR from the original date of purchase. Mizco's responsibility with regard to this limited warranty shall be limited solely to the repair or replacement, at its own option, of any product, which fails during normal use. This warranty does not extend to damage or failure, which results from misuse, neglect, accident or alteration, abuse, improper installation, or improper maintenance. To exercise this limited warranty, send your name and address with proof of purchase and the UPC from this package. Product sent for warranty must be mailed to the address below, freight prepaid. Include \$5.00 for return shipping and handling.

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