

## Battery Chargers CH8208N Series

### ■ Best for:

- Electrically-powered wheelchairs**
- Electrically-powered scooters**
- Electrically-powered motorcycles**
- All types of electric vehicles**
- All types of electric equipment**

### ■ Features:

- **Make use of the microprocessor to control the system.**
- **Can be installed in scooters or powered wheelchairs.**
- **Can be left connected to a battery indefinitely without harming the battery.**
- **Automatic checks for the battery during the whole course till the battery has been fully charged.**



## SPECIFICATION



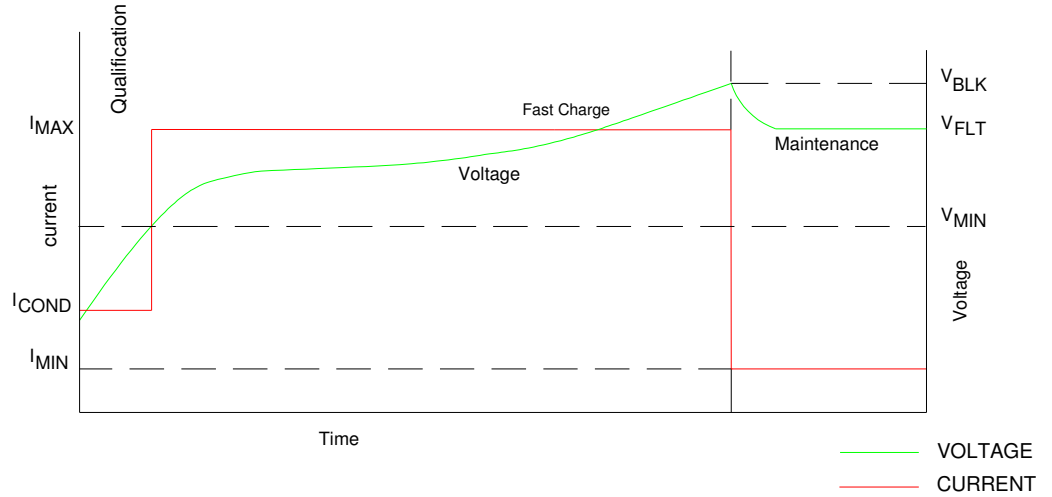
MODEL	CH8208N (for NI-MH)	
OUTPUT	DC VOLTAGE	12VDC-36VDC
	RATED CURRENT	3A-6A
	RATED POWER	140W
	LED INDICATED	RED LED LIGHT ON : POWER ON ORANGE LED LIGHT ON : CHARGING GREEN LED LIGHT ON : FULLY CHARGED
INPUT	VOLTAGE RANGE	95 – 132VAC / 190 – 264VAC
	FREQUENCY RANGE	47 – 63Hz
ENVIRONMENT	WORKING TEMP.	- 10 - + 45 °C
	WORKING HUMIDITY	20 – 90 % RH
	STORAGE TEMP.	-20 - + 85 °C
	STORAGE HUMIDITY	10 – 95 % RH
	WITHSAND VOLTAGE	I/P-OP : 3KVAC, I/P – FG : 1.5KVAC, O/P – FG : 0.5KVAC
	ISOLATION RESISTANCE	I/P – OP , I/P – FG- O/P – FG : 100M Ohms / 500VDC
EMC	EMI CONDUCTION & RADIATION	COMPLIANCE TO EN55022 ( CISPR22 ) CLASS B
OTHERS	DIMENSIONS	L 180mm * W 94mm * H 53mm
	WEIGHT	0.80KG
	APPROVALS	GS.UL.SAA.PSE.CE
PROTECTION	OVER LOAD	110 – 130 % RATED OUTPUT POWER
	Protection Against over-voltage	Automatic shut-off
	Protection Against overload	Automatic shut-off
	Protection Against short circle	Output FUSE server or shut-off Automatically

## ■ Charging Curve :

- Charger for NI-MH batteries

HP8208N NI-MH BATTERY CHARGER CHARACTERISTIC

HP8208 Spec.		
NO.	out put voltage(VDC)	out put current(A)
N1	12VDC	Max 6A
N2	24VDC	Max 4A
N3	36VDC	Max 3A



- $\Delta V$	$3 \pm 1\text{mV/cell}$ or $6 \pm 1\text{mV/cell}$
TRICKLE CURRENT	50mA~100mA
dT/dt	1 or 0.5°C $\pm$ 0.2/min
MAXIMUM START CHARGE TEMPERATURE	45°C $\pm$ 5%
MIRIMAL START CHARGE TEMPERATURE	0 $\pm$ 2°C
TMAX	50°C $\pm$ 5%
MAX CHARGE TIME	3 hours or 6 hours

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