

Battery Chargers CH1202N 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

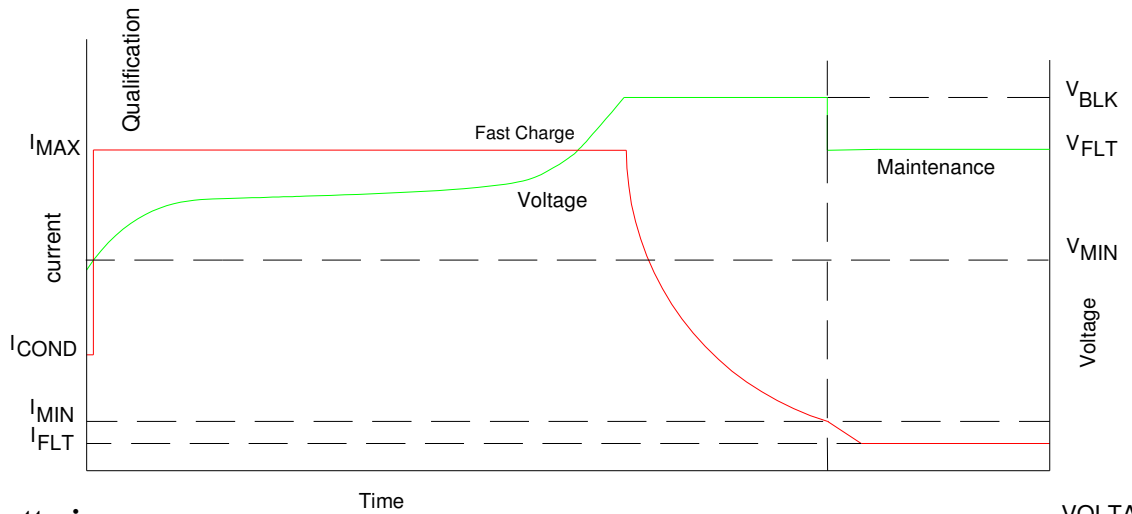
MODEL		CH1202B Lead-Acid	CH1202N NI-MH
OUTPUT	DC VOLTAGE	12VDC-36VDC	12VDC-24VDC
	RATED CURRENT	1.2A-3.2A	1A-3A
	RATED POWER	48W	48W
	LED INDICATED	RED LED LIGHT ON : POWER ON ORANGE LED LIGHT ON : CHARGING GREEN LED LIGHT ON : FULLY CHARGED	
INPUT	VOLTAGE RANGE	100-240VAC	
	FREQUENCY RANGE	47 – 63Hz	
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 128mm * W 66mm * H 42mm	
	WEIGHT	0.4KG	
	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 Lead-Acid batteries

HP1202 Lead-Acid BATTERY CHARGER CHARACTERISTIC

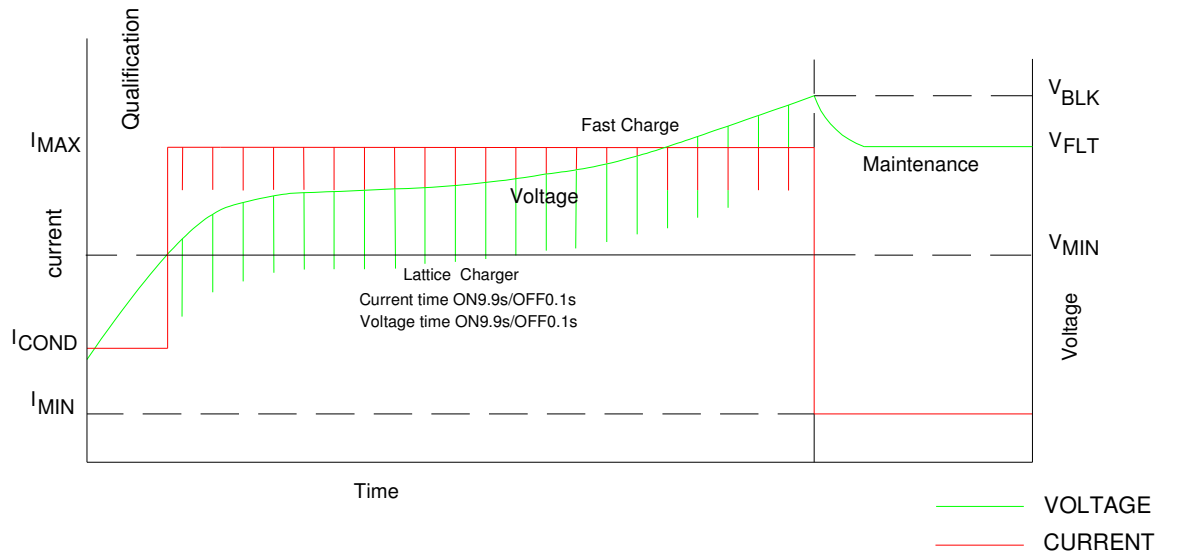
HP1202 spec		
NO	output voltage(V)	output current(A)
A	12VDC	MAX 3A
B	24VDC	MAX 2A
C	36VDC	MAX 1.2A



• Charger for NI-MH batteries

HP1202N NI-MH BATTERY CHARGER CHARACTERISTIC

HP1202N spec		
NO	output voltage(V)	output current(A)
N1	12VDC	MAX 3A
N2	24VDC	MAX 2A



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

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