

CONSTANT CURRENT CHARGER LINE

Industrial Truck Battery Charger



The constant current chargers are designed to have a nearly flat charge curve. The output will taper only slightly in order to maintain the AC amp draw as the battery voltage rises. It is an ideal choice for situations where several batteries of different cell and amp hour sizes are being charged. There are multiple uses such as rental fleets, service loaners, and battery-service shop use. Depending on your application we have two different styles to choose from. The CCS models are designed for higher output current requirements. These models are available in both single and three phase. Because of the AC input current draws needed, these chargers are typically used in a fixed location and hard wired to the building AC service. The CCS line is available with either an automatic control or a mechanical timer. Refer to the Model Matrix for available sizes.



For the loaner type applications there is the LS2/24-28C model that is available with automatic control standard. This model comes with a wheel and handle for portability. It is designed to charge from 2 to 24 cells at 28 amps output. It can be plugged into a standard 15a 120 volt receptacle. The charger comes complete with 8 ft. of 14/3 AC power cord with a 15 amp molded plug and 9' of DC power cable.



Constant Current Shop

Constant Current Shop Charger Models

Max. Cells	Amp hr. Rating	DC Amps	SINGLE PHASE					Case
			Model	AC Input Amps				
				120	208	240	480	
24	510	40	CCS24-510A1	22.40	12.90	11.20		500
40	680	50	CCS36-680B1	--	24.00	21.00	10.50	501
40	1000	75	CCS36-1000B1	--	36.00	31.50	15.80	501
40	1350	100	CCS36-1350B1	--	48.50	42.00	21.00	501

Max. Cells	Amp hr. Rating	DC Amps	THREE PHASE					Case
			Model	AC Input Amps				
				120	208	240	480	
40	950	75	CCS36-950B3	--	21.00	18.20	9.10	501
40	1400	100	CCS36-1400B3	--	28.00	24.20	12.10	501
40	2000	150	CCS36-2000B3	--	42.00	36.30	18.10	502

* Requires 60Hz Voltage Code

A= 120/208/240

B= 208/240/480

F.O.B. First Destination, Continental USA

Prices and Specifications subject to change

Maximum Charge Time Setting

The Charge Hours setting determines the charge backup timer. The 12 hour mode setting will allow 10 hours for the battery to reach the 80% point and 12 hours for the total charge. The 24 hour mode setting will allow 20 hours for the battery to reach the 80% point and 24 hours for the total charge. If the backup time value is reached, the charge will be terminated and the control will indicate 'battery ready'. The backup timer value should be determined as follows:

- Multiply the AH size of the battery being charged by 0.8 to determine AH removed. (80% discharged)
- Multiply the AH removed by 1.1 to determine the AH needed to charge (110% return typical).
- Divide the AH needed to charge by the nominal current rating of the charger to determine the charge time in hours.
- If the time required is less than 12 hours, set the charge hours dip switch to the 12 hour mode. If the time is between 12 and 24 hours, set the charge hours dip switch to the 24 hour mode.

Example: Charging a 600Ah battery with a 28A charger.

$600\text{AH} \times 0.8 = 480\text{AH}$ removed. $480\text{AH} \times 1.1 = 528\text{AH}$ needed to recharge. $528\text{AH} / 28\text{A} = 18.9$ hours to charge.

Set the charge hours dip switch to 24 hour mode.

Your Constant Current Distributor: