

# SWEET SIXTEEN CHARGER LINE

## Industrial Truck Battery-Charger



### FEATURES

- Ferro-resonant technology
- Lightweight and portable
- Automatic Start/Stop control
- Multi-color LED output power-indicator
- AC cord & 10 ft. DC cables with connector
- Standard Control is the 46-066
- Optional Control is the 46-164

### APPLICATION

The Sweet Sixteen Charger line is designed to recharge a battery of matched size, in 16 hours. It is designed for applications where the battery is discharged to 80% depth, and is used for a single daily-shift, or for batteries that are only periodically used. This charger affords the customer with a highly reliable means to maintain his battery, at an affordable price. Light weight and portable, the Sweet Sixteen can be easily moved from place to place in your facility.

### DESCRIPTION

The Sweet Sixteen charger is highly reliable and rugged. It is constructed of 18 and 16 gauge steel. The output is protected by a DC fuse, and connects to the battery via a 10 foot cable. A 50 or 175 amp SB type connector is attached to the end of the cable. The automatic charge control has an On/Off/Equalize switch. There are three LED indicators; Status, Equalize, and Fault. Output current is displayed by means of the status LED changing color. Red = Start of Charge, Yellow = Low Charge, Green = Battery Ready.

### OPERATION

When a battery of matched size is connected to the charger, it will start automatically and the On LED will light. If the switch is placed in the Equalize position, the charge cycle will have an additional 3 hours of time added to it, and the Equalize LED will also be lit. If the charge cycle extends beyond 20 hours, the charger will shut off, and the Fault LED will light. The charge cycle may be interrupted at any time by placing the switch in the Off position.

### AC CONNECTION

Chargers that are designed for 120 volts ac and draw 15 amps or less will be shipped with a standard 15-amp plug cord set. On 120 volt ac chargers drawing more than 15 amps and less than 30, they will be shipped with a 30 amp twist-lock type plug. If the charger is designed for 240 volts ac, it will be shipped with a standard 20 amp 240-volt ac cord set.

# CONTROLS



## 46-066 Control

- Auto start/stop dv/dt-di/dt
- High DC voltage shutoff
- Hot battery shutdown
- Jumpstart for dead battery
- Mismatched battery rejection
- Zero DC current shutdown



## 46-164 Control

- Same features as 46-66 plus:
- Numeric DC amps & fault-codes
- Manual or auto equalize
- Timed delay start
- Automatic re-charge(option)
- Overcharge adjustment
- Cool Down Time (option)
- End of Charge Data

# MODELS

Cell	Amp hr. Rating	Range	SINGLE PHASE			
			Model	DC Amp Output	AC Input Amps 120 240 480	Case
6	360	0-360	ST6-360*	24	3.4	137
6	520	361-520	ST6-520*	35	5 2.5	137
6	760	521-760	ST6-760*	51	7.2 3.6	137
6	950	761-950	ST6-950	63	8.8 4.4	137
12	360	0-360	ST12-60*	24	6.8 3.4	137
12	520	361-520	ST12-20*	35	9.8 4.9	137
12	760	521-760	ST12-760	51	14.2 7.1	137
12	950	761-950	ST12-50*	63	17.6 8.8	137
18	360	0-360	ST18-360*	24	10 5 2.5	137
18	520	361-520	ST18-520*	35	14.8 7.4 3.7	137
18	760	521-760	ST18-760*	51	21.4 10.7 5.4	137
18	950	761-950	ST18-950*	63	26.4 13.2 6.6	137
24	360	0-360	ST24-360*	24	13.4 6.7 3.4	137
24	520	361-520	ST24-520*	35	22.6 11.3 5	137
24	760	521-760	ST24-760*	51	28.6 14.3 7.1	137

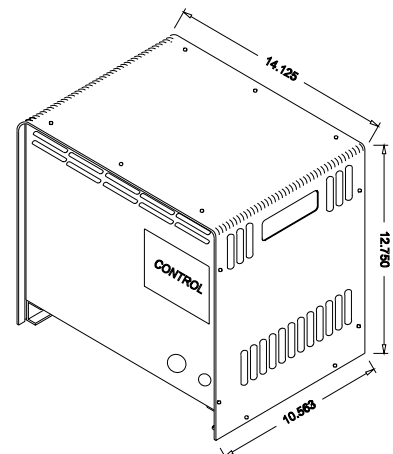
\* Requires 60Hz Voltage Code

C= 120

D= 240

E= 480

Your Sweet Sixteen distributor:



137 Case Dimensions