

Battery SERVICE EQUIPMENT

Battery maintainers // Jump Starters // high frequency chargers // Bench Chargers // Wheel Chargers

CENTURY



**TOUGH
TOOLS**
FOR PEOPLE WHO USE THEM

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Over 75 years ago

Century developed innovative technology allowing battery chargers to harness the transformer of a welder for its charging ability. These products offered exceptional value at less than half of the price of other competitors. Century was one of the first companies to pioneer a 110v battery charger. Shortly thereafter developed the “boost” feature that revolutionized the industry. The design was an instant success and provided the first real charging option. It also offers a more durable product design.

CENTURY BATTERY SERVICE EQUIPMENT 1954



Battery Types and safety.

BATTERY

Just as there are many different vehicles on the road, there are also many different types of batteries. These batteries are different in physical properties as well as function. Selecting the right battery charger for a vehicle is just as important as selecting the right battery.

LEAD ACID BATTERIES

Conventional (flooded) Maintenance Free (sealed)

There are two types of lead acid batteries. Starting (cranking) and Deep Cycle (marine/golf cart).

The starting battery (SLI starting lights ignition) is designed to deliver quick bursts of energy. Quick enough to start engines.

Deep cycle

A deep cycle battery has less instant energy, but greater long-term energy delivery. Deep cycle batteries have thicker plates and can survive a number of discharge cycles. Starting batteries should not be used for deep cycle applications.

AGM/VRLA

AGM/VRLA batteries differ from flooded lead acid batteries in that the electrolyte is held in the glass mats, as opposed to freely flooding the plates.

GEL

A gel battery (also known as a "gel cell") is a VRLA battery with a gelified electrolyte. The sulfuric acid is mixed with silica fume, that makes the resulting mass gel-like and immobile. Unlike a flooded wet-cell lead-acid battery, these batteries do not need to be kept upright. Gel batteries reduce the electrolyte evaporation, spillage (and subsequent corrosion issues) common to the wet-cell battery and boast greater resistance to extreme temperatures, shock, and vibration. Chemically they are almost the same as wet (non-sealed) batteries except that the antimony in the lead plates is replaced by calcium, and gas recombination can occur.

SAFETY

Persons handling car batteries should wear protective equipment (goggles, overalls, gloves) to avoid injury by acid spills.



Lead-acid battery systems when severely overcharged can cause injury. An overcharge can be recognized by a swollen battery and or a battery case that it extremely hot to the touch. This usually indicates a malfunction in the charging system of the car.

This overcharging produces a flammable concentration of hydrogen gas that can be ignited from open flames or a spark.

To prevent further damage to the battery or personal injury it is important to correctly connect the battery charger cables. The positive lead (+) of the battery charger should always be connected to the positive terminal of the battery first. Then attach the negative (-) lead to a sufficient ground at a distant location from the battery. This will redirect any possible sparks away from the battery avoiding the ignition of escaping hydrogen gases.



BATTERY CHARG

CONVENTIONAL - MAINTENA

CHARGER STYLE	WHEEL STYLE CHARGERS PROFESSIONAL SERIES for heavy duty applications.		BENCH STYLE CHARGERS A compact, portable and economical battery charger. Automatic chargers feature engine start.	
	225A - #K3151-1  CHARGE TIME 1-3 HOURS	200A - #K3149-1  CHARGE TIME 1-3 HOURS	250A - #K3150-1  CHARGE TIME 1-3 HOURS	#K3152-1 (AUTO/MANUAL)  CHARGE TIME 2-5 HOURS
VEHICLE TYPE				
				
BATTERY VOLTAGE	6V 12V 24V		6V 12V	
			6V 12V	
BATTERY TYPE	CONVENTIONAL (FLOODED) MAINTENANCE FREE (SEALED) AGM / VRLA		CONVENTIONAL (FLOODED) MAINTENANCE FREE (SEALED) DEEP CYCLE AGM / VRLA GEL	
			CONVENTIONAL (FLOODED) MAINTENANCE FREE (SEALED) DEEP CYCLE AGM / VRLA GEL	
SELECT FEATURES	HEAVY DUTY USE MANUAL VOLT METER AMMETER TWO HOUR TIMER FAN COOLED 5/2/1 YEAR WARRANTY		HEAVY DUTY USE MANUAL TEST FEATURE VOLT METER AMMETER TWO HOUR TIMER FAN COOLED 5/2/1 YEAR WARRANTY	
			HEAVY DUTY USE MANUAL VOLT METER 1 YEAR WARRANTY	
SPECIAL APPLICATIONS	CHARGES 24V TRUCK BATTERIES IN ADDITION TO 6V AND 12V AUTOMOTIVE BATTERIES.		TEST CAR BATTERY AND ALTERNATOR OUTPUT	
			BATTERY WARMING MAINTAINING BATTERIES	

ERS AND JUMP STARTERS

ANCE FREE - DEEP CYCLE - AGM/VRLA - GEL

HIGH FREQUENCY CHARGER

A solid state switching power supply with a true DC output. Can charge standard 12v and 24v batteries.

#K3234-1



CHARGE TIME
1-4 HOURS

JUMP STARTER

250 Cranking amps for stubborn starts. Unit also doubles as a 12V power supply. USB and power port plugs allow for charging of cell phone, and other portable electronic devices. Great for emergency use. 12v camping devices, charges through the powerport on a vehicle.

#K3236-1



TRICKLE CHARGER

Slowly charges small motorcycle or lawn and garden batteries.

#87001



BATTERY MAINTAINER

More than a trickle charger, it's fully automatic, lightweight, and designed to mount to the battery. This unit will keep your battery fully charged so it's ready to go when you are.

#87002



12V 24V

12V

6V 12V

12V

CONVENTIONAL (FLOODED)
MAINTENANCE FREE (SEALED)
DEEP CYCLE
AGM / VRLA
GEL

CONVENTIONAL (FLOODED)
MAINTENANCE FREE (SEALED)
AGM / VRLA
GEL

CONVENTIONAL (FLOODED)
MAINTENANCE FREE (SEALED)
AGM / VRLA
GEL

AUTOMATIC
CHARGE COMPLETE
REVERSE CONNECTION
VOLT METER
AMMETER
FAN COOLED
1 YEAR WARRANTY

REVERSE CONNECTION
1 YEAR WARRANTY

MANUAL
1 YEAR WARRANTY

AUTOMATIC
CHARGE COMPLETE
1 YEAR WARRANTY

BATTERY WARMING
MAINTAINING BATTERIES

BATTERY WARMING
MAINTAINING BATTERIES

BATTERY WARMING

BATTERY WARMING
MAINTAINING BATTERIES

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225A battery charger

Model K3151-1



6V

12V

24V

CHARGE TIME
1-3 HOURS



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ORDERING INFORMATION

Part Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Charging Voltages	Dimensions (H X W X D)	Weight	Agency
K3151-1	120/1/60	60A (6,12V) / 40A (12V) 30A (24V) 225A (12V, 5 sec. on, 175 off) / 160A (6V, 5 sec. on, 175 off)	12A (35A Start)	6, 24 & 12 volt	36-3/4" X 16-1/2" X 13"	55 lbs.	cULus

6,12 & 24V 60/40/225 Amp Commercial Charger

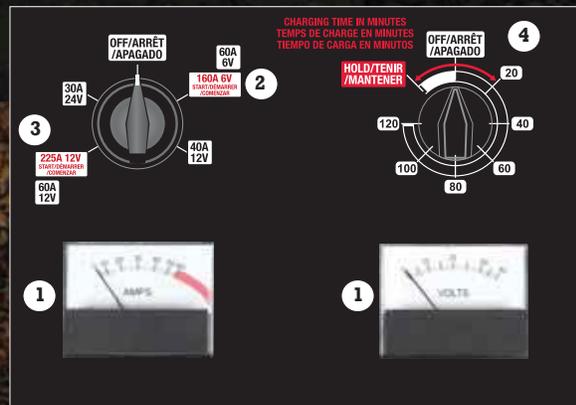


FEATURES

- 225 amp 12V engine start helps start stubborn motors.
- 160 amp start / 60 amp high 6V charge settings.
- 60 amp high / 40 amp medium 12V charge settings.
- 30 amp medium 24V charge setting.
- Charges 6, 12 & 24V maintenance free, conventional wet, deep cycle, AGM/ VRLA and Gel batteries used in cars, trucks, farm equipment, RV, boats and commercial applications.
- Charges automotive batteries in 1 to 3 hours.
- Large, easy-to-read 3" Ammeter and Voltmeter help monitor charging progress and identify problem battery conditions.
- Two hour timer with hold position.
- Heavy duty insulated clamps grip securely on all batteries and safely store on clamp holders.
- Heavy duty semi pneumatic wheels and chrome handle.
- Six foot, 6 gauge copper output cables.
- 5 year limited warranty on transformer & rectifier, 2 years on unit, and 1 year on cables.

BENEFITS

1. Large, easy-to-read 3" Ammeter and Voltmeter help monitor charging progress and identify problem battery conditions.
2. 160 amp 6V engine start helps start stubborn motors
3. 225 amp 12V engine start helps start stubborn motors.
4. 2 hour timer with hold position for longer charges



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250A BATTERY CHARGER

Model K3150-1



6V 12V CHARGE TIME 1-3 HOURS



TOUGH TOOLS
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ORDERING INFORMATION

Part Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Charging Voltages	Dimensions (H X W X D)	Weight	Agency
K3150-1	120/1/60	60A (6,12V) / 40A, 2A (12V) / 250A (12V, 5 sec. on, 200 off) / 185A (6V, 5 sec. on, 200 off)	12A (43A Start)	6 & 12 volt	36-3/4" X 16-1/2" X 13"	44 lbs.	cULus

6 & 12V 60/40/2/250 Amp Commercial Charger with Test

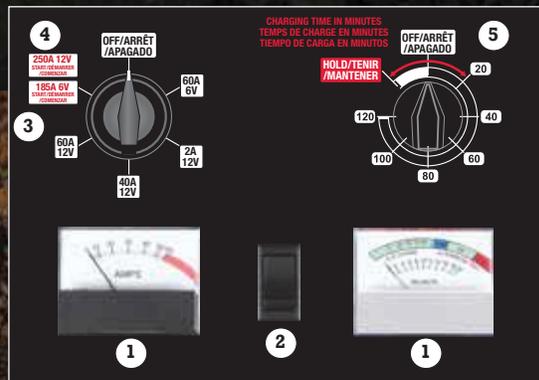


FEATURES

- 250 amp 12v engine start helps start stubborn motors.
- 60 amp high / 40 amp medium / 2 amp low 12V charge settings.
- 185 amp start / 60 amp high 6V charge settings
- Test feature identifies battery and alternator problems, indicates battery state of charge.
- Charges 6 & 12 volt maintenance free, conventional wet, deep cycle, AGM/ VRLA and Gel batteries used in cars, trucks, farm equipment, RV, boats and commercial applications.
- Charges automotive batteries in 1 to 3 hours.
- Large, easy-to-read 3" Ammeter and Voltmeter help monitor charging progress and identify problem battery conditions.
- Two hour timer with hold position.
- Heavy duty insulated clamps grip securely on all batteries and safely store on clamp holders.
- Heavy duty semi pneumatic wheels and chrome handle.
- Six foot, 6 gauge copper output cables.
- 5 year limited warranty on transformer & rectifier, 2 years on unit, and 1 year on cables.

BENEFITS

1. Large, easy to read 3" Ammeter and Voltmeter help monitor charging progress and identify problem battery conditions.
2. Test feature identifies 12V battery and alternator problems, indicates battery state of charge.
3. 185 amp 6V engine start helps start stubborn motors
4. 250 amp 12V engine start helps start stubborn motors.
5. 2 hour timer with hold position for longer charges



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200A BATTERY CHARGER

Model K3149-1



6V 12V CHARGE TIME 1-3 HOURS



TOUGH TOOLS
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ORDERING INFORMATION

Part Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Charging Voltages	Dimensions (H X W X D)	Weight	Agency
K3149-1	120/1/60	40A (6,12V) / 20A, 2A (12V) / 200A (12V, 5 sec. on, 200 off) / 130A (6V, 5 sec. on, 200 off)	8.5A (29A Start)	6 & 12 volt	36-3/4" X 16-1/2" X 13"	41 lbs.	cULus

6 & 12V 40/20/2/200 Amp Commercial Charger with Test

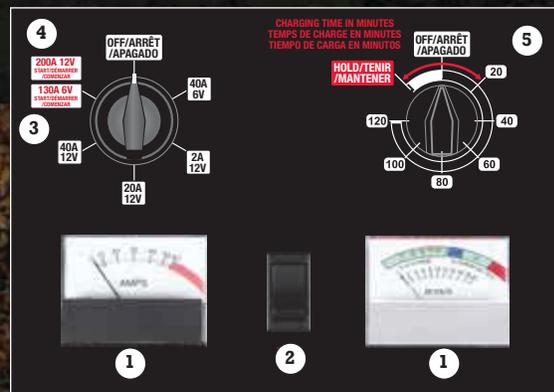


FEATURES

- 200 amp 12V engine start helps start stubborn motors.
- 40 amp high, 20 amp medium and 2 amp low 12V charge settings.
- 130 amp start and 40 amp high 6V charge setting.
- Low 2 amp setting is ideal for charging 12 volt motorcycle and lawn mower batteries.
- Test feature identifies 12V battery and alternator problems, indicates battery state of charge.
- Charges 6 & 12 volt maintenance free, conventional wet, deep cycle, AGM/VRLA and Gel batteries used in cars, trucks, farm equipment, RV, boats and commercial applications.
- Charges automotive batteries in 1 to 3 hours.
- Large, easy to read 3" Ammeter and Voltmeter help monitor charging progress and identify problem battery conditions.
- Two hour timer with hold position.
- Heavy duty insulated clamps grip securely on all batteries and safely store on clamp holders.
- Heavy duty semi pneumatic wheels and chrome handle.
- Six foot, 6 gauge copper output cables.
- 5 year limited warranty on transformer & rectifier, 2 years on unit, and 1 year on cables.

BENEFITS

1. Large, easy to read 3" Ammeter and Voltmeter help monitor charging progress and identify problem battery conditions.
2. Test feature identifies 12V battery and alternator problems, indicates battery state of charge.
3. 130 amp 6V engine start helps start stubborn motors
4. 200 amp 12V engine start helps start stubborn motors.
5. 2 hour timer with hold position for longer charges



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55A BATTERY CHARGER

Model K3152-1



6V **12V** **CHARGE TIME 2-5 HOURS**



TOUGH TOOLS
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ORDERING INFORMATION

Part Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Charging Voltages	Dimensions (H X W X D)	Weight	Agency
K3152-1	120/1/60	10A (6,12V) / 2A (12V) 55A (12V, 3 sec. on, 400 off)	2.2A (9.5A Start)	6 & 12 volt	5-1/2" X 9-3/4" X 8"	12 lbs.	cULus

6 & 12 V, 10 Amp Manual & Automatic Battery Charger with 55 amp 12V Engine Start

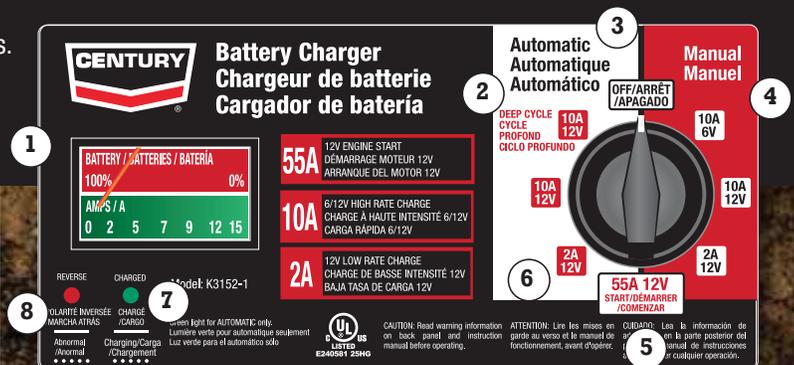


FEATURES

- 55 amp engine start helps start stubborn 12V motors.
- 10 amp high, 2 amp low 12V Automatic and Manual charge settings.
- 10 amp high 6V Manual charge setting.
- Automatic 12V Deep Cycle setting for full charge.
- 12V Manual settings allow charging deeply discharged 12V batteries that many automatic chargers cannot.
- 12V Automatically shuts off when battery is fully charged. Resumes charging if battery becomes discharged.
- Charges 6 & 12 volt maintenance free, conventional wet, deep cycle, AGM/VRLA and Gel batteries used in cars, trucks, farm equipment, RV, boats and commercial applications.
- Charges automotive batteries in 2 to 5 hours.
- Low 2 amp setting is ideal for charging 12 volt motorcycle and lawn mower batteries.
- Rotary Switch simplifies charge/start selection.
- LEDs - reverse connection and abnormal battery red light, charging and charge complete green light.
- Heavy duty insulated clamps grip securely on all batteries and safely store on clamp holders.
- Six foot copper output cables.

BENEFITS

1. Ammeter to indicate rate of charge.
2. Automatic charge setting for Deep Cycle type batteries.
3. Automatic setting will turn off when battery is fully charged and resumes if discharged.
4. Manual setting for charging discharged batteries.
5. 55A of additional starting power for cold morning starts.
6. 2A setting for motorcycle and lawnmower batteries.
7. Full charge indicator.
8. Reverse connection indicator.



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100A BATTERY CHARGER

Model K3153-1

6V

12V

CHARGE TIME
2-4 HOURS



TOUGH TOOLS
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ORDERING INFORMATION

Part Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Charging Voltages	Dimensions (H X W X D)	Weight	Agency
K3153-1	120/1/60	15A (6,12V) / 2A (12V) 100 A (12V, 3 sec. on, 400 off)	2.7A (18.8A Start)	6 & 12 volt	5-1/2" X 9-3/4" X 8"	14 lbs.	cULus

6 & 12 V, 15 Amp Manual & Automatic Battery Charger with 100 amp 12V Engine Start

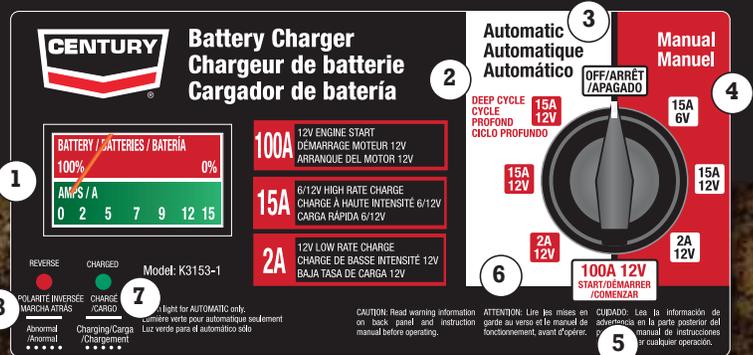


FEATURES

- 100 amp engine start helps start stubborn 12V motors.
- 15 amp high, 2 amp low 12V Automatic and Manual charge settings.
- 15 amp high 6V Manual charge setting.
- Automatic 12V Deep Cycle setting for full charge.
- 12V Manual settings for charging deeply discharged 12V batteries that many automatic chargers cannot.
- 12V Automatically shuts off when battery is fully charged and resumes charging if battery becomes discharged.
- Charges 6 & 12 volt maintenance free, conventional wet, deep cycle, AGM/VRLA and Gel batteries used in cars, trucks, farm equipment, RV, boats and commercial applications.
- Charges automotive batteries in 2 to 4 hours.
- Low 2 amp setting is ideal for charging 12 volt motorcycle and lawn mower batteries.
- Rotary Switch simplifies charge/start selection.
- LEDs - reverse connection and abnormal battery red light, charging and charge complete green light.
- Heavy duty insulated clamps grip securely on all batteries and safely store on clamp holders.
- Six foot copper output cables.

BENEFITS

1. Ammeter to indicate rate of charge.
2. Automatic charge setting for Deep Cycle type batteries.
3. Automatic setting will turn off when battery is fully charged and resumes if discharged.
4. Manual setting for charging discharged batteries.
5. 100A of additional starting power for cold morning starts.
6. 2A setting for motorcycle and lawnmower batteries.
7. Full charge indicator.
8. Reverse connection indicator.



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BATTERY JUMP STARTER

Model K3236-1

12V



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ORDERING INFORMATION

Part Number	Input Power	Rated Output Current / Duty Cycle	Charging Circuit	Dimensions (H X W X D)	Weight
K3236-1	120/1/60 12Vdc	250 Cranking Amps (710 Peak) 12Vdc Power Socket 5Vdc USB Port	Fully Automatic	7-7/8" X 10-3/4" X 7-1/8"	13 lbs.

Jump Starter/ Portable Power Supply



FEATURES

- 250 cranking amps help start stubborn 12V motors. 710 Peak amps.
- Battery Level LEDs indicate state of charge.
- 12Vdc power socket charges vehicle battery from inside vehicle.
- 12Vdc power socket recharges Jumpstarter battery from inside vehicle.
- 12Vdc power socket for powering external 12Vdc devices.
- USB Port for charging 5Vdc personal electronic devices.
- Automatic Internal Charger charges internal battery.
- Red charging and green charged LEDs to monitor the charging process.
- On-Off switch with red (reverse) and green (correct) hook-up LEDs for safe hook-up to battery / chassis.
- Storage Holsters for neat clamp storage.
- 1 year limited warranty.



BENEFITS

1. Battery level LEDs indicate state of charge.
2. Storage holsters for neat clamp storage.
3. Red charging and green charged LEDs to monitor the charging process
4. Automatic internal charger charges internal battery
5. On-Off switch with red (reverse) and green (correct) hook-up LEDs for safe hook-up to battery/chassis
6. USB port for charging 5Vdc personal devices.
7. 12Vdc cigarette socket for powering 12Vdc devices.
8. Reverse connection indicator.



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HIGH FREQUENCY CHARGER

Model K3234-1



12V 24V CHARGE TIME 1-4 HOURS



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ORDERING INFORMATION

Part Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Dimensions (H X W X D)	Weight
K3234-1	120/1/60	10A/100% @ 12Vdc 6A/100% @ 24Vdc	1.75A	4-5/8" X 10-1/4" X 5-3/4"	4 lbs.

10/6/2 12V - 6/2 24V Battery Charger



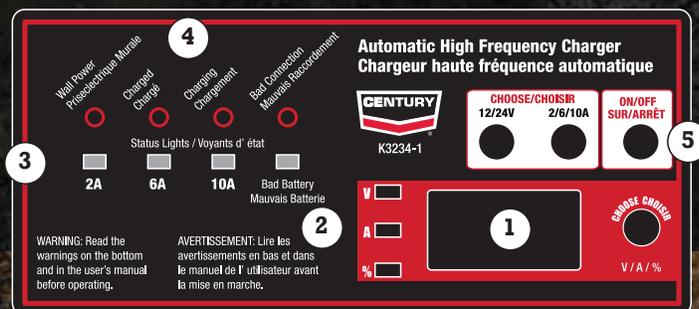
FEATURES

- 10 amp charging, fully automatic, charges to a full charge and then shuts off automatically. Comes back on if battery discharges.
- Charging and charged lights indicate state of charge.
- Digital display shows volts, amps and percent of charge.
- Automatic charging for both 12 & 24 volt batteries.
- High Frequency charging de-sulfates batteries-lengthens battery life.
- Built-in diagnostics-detects faulty batteries and reverse connections.
- Microprocessor controlled-faster charging.
- 1 year limited warranty



BENEFITS

1. Easy-to-read LCD display.
2. Voltage, Amperage and percent of charge indicator.
3. Amperage selection status indicators.
4. Charger function status indicators.
5. On/Off and voltage selection switches.



Trickle charger

Model 87001

6V

12V



FEATURES

- 1 amp setting is ideal for charging motorcycles and lawn mower batteries.
- Charges 6 & 12 volt batteries.
- Easy-to-use manual controls.
- Use to warm car battery to improve cold weather starting.
- 1 year limited warranty.



ORDERING INFORMATION

Part Number	Model Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Dimensions (H X W X D)	Weight
141-294-005	87001	120/1/60	1A / 100%	0.3A	3-3/4" X 7-1/4" X 4-1/2"	2.5 lbs.

BATTERY maintainer

Model 87002

On-board
Charger

12V



FEATURES

- 1.5 amp setting 12V battery charger.
- Automatically shuts off when battery is fully charged, resumes charging if battery becomes discharged.
- Can be permanently mounted on vehicle.
- LED light indicates charging status.
- 1 year limited warranty.



ORDERING INFORMATION

Part Number	Model Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Dimensions (H X W X D)	Weight
141-336-000	87002	120/1/60	1.5A / 100%	0.3A	1-3/4" X 5" X 7"	1.1 lbs.

BENCH CHARGERS

Model 87062C



6V 12V CHARGE TIME 6-8 HOURS



FEATURES

- 6 amp high (6 & 12V)/ 2amp low (12V) charge settings.
- Charges 6 & 12 volt maintenance free and conventional batteries used in cars, trucks, farm equipment, RV and commercial applications.
- Charges automotive batteries in 6 to 8 hours.
- Large clamps deliver solid connections.
- Easy-to-use manual controls.
- 1 year limited warranty.



ORDERING INFORMATION

Part Number	Model Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Dimensions (H X W X D)	Weight
141-194-902	87062C	120/1/60	6A (12V) / 2A (12V) 100%	2.0A	4" X 6" X 6"	6.6 lbs.

bench chargers

Model 87102C



6V	12V	CHARGE TIME 3-5 HOURS
----	-----	--------------------------

6 & 12V 10 Amp
Manual Battery
Charger



FEATURES

- 10 amp high (6 & 12V) /2 amp low (12V) charge settings.
- Charges 6 & 12 volt maintenance free and conventional batteries used in cars, trucks, farm equipment, RV and commercial applications.
- Charges automotive batteries in 3 to 5 hours.
- Large clamps deliver solid connections
- Easy-to-use manual controls.
- 1 year limited warranty.

ORDERING INFORMATION

Part Number	Model Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Charging Voltages	Dimensions (H X W X D)	Weight
141-291-904	87102C	120/1/60	10A (6,12V) / 2A (12V) 100%	2.2A	6, 12 volt	5-1/2" X 9-3/4" X 8"	9.9 lbs.

bench chargers

Model 87105C



6V	12V	CHARGE TIME 3-5 HOURS
----	-----	--------------------------

6 & 12V 10/2 Amp
Manual BATTERY
CHARGER WITH 55 amp
12V Engine Start



FEATURES

- 55 amp engine start helps start stubborn 12V motors.
- Charges 6 & 12 volt maintenance free and conventional batteries used in cars, trucks, farm equipment, RV and commercial applications.
- Large clamps deliver solid connections
- Easy-to-use manual controls.
- 1 year limited warranty.

ORDERING INFORMATION

Part Number	Model Number	Input Power	Rated Output Current / Duty Cycle	Input Current at Rated Output	Charging Voltages	Dimensions (H X W X D)	Weight
141-291-901	87105C	120/1/60	10A (6,12V) / 2A (12V) / 100% 55A (12V, 3 sec. on, 400 off)	2.2A (9.5A Start)	6, 12 volt	5-1/2" X 9-3/4" X 8"	9.9 lbs.



WCTA, LLC
A Lincoln Electric Company
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