

CHARGERS

CHARGER FEATURES

- Line voltage compensation with flux oscillator.
- Automatically senses the condition of your batteries and tapers charge rate to provide good equalization of cells, superior battery life, and low water use.
- Automatically compensates for AC supply voltage variation of $\pm 10\%$ from nominal voltage.
- Silicon diodes operating well below service rating provide maximum surge protection and operating reliability.
- Positive shut-off; no over or under charging.
- Automatic shut-off when either AC or DC plug is pulled or when charge time has elapsed.
- Low current draw, operating only when connected to battery.
- Convection-cooled design for minimum maintenance.
- Ammeter standard equipment.
- Semi-Automatic will bring a battery back to life.
- Automatic chargers will not work until it has work to do. Plugging it in automatically starts the charger.
- AMPP - The amount of electric current for charging.
- Comes in 36, 24 and 12 Volt.



CH-7

CH-8

CH-10

Graco is proud to offer Lester and M.A.C chargers!



LESTER BATTERY CHARGERS - SEMI-AUTOMATIC TIMER

GRACO#	MFG#	DC VOLTS	DC AMPS	BATTERY AMP HOUR CAPACITY (12 HR)
CH-41	9200	24	10	90-140
CH-42	6730	24	20	135-220
CH-8	13175	24	25	210-300
CH-30	8781	24	40	230-350
CH-62	6720	36	20	135-220
CH-7	9611	36	25	210-300
CH-39	9080	36	40	320-350

LESTER BATTERY CHARGERS - AUTOMATIC TIMER

GRACO#	MFG#	DC VOLTS	DC AMPS	BATTERY AMP HOUR CAPACITY (12 HR)
CH-10*	18360	24	12	90-140
CH-31	9800	24	20	135-220
CH-32	7210	24	25	210-300
CH-63	9700	36	20	135-220
CH-38	7710	36	25	210-300
CH-40	9475	36	40	250-370
CH-44		12	20	

* Works on Wet Cell and Gel Cell Batteries (Replaced 13115)

MOTOR APPLIANCE CHARGERS - AUTOMATIC TIMER

GRACO#	MFG#	DC VOLTS	DC AMPS	BATTERY AMP HOUR CAPACITY (12 HR)
CH-24	V-24	24	20	135-220
CH-25	V-240	24	25	210-300
CH-36	V-36	36	20	135-220
CH-37	V-360	36	25	210-300

CLAYTON BATTERY CHARGER - MANUAL

GRACO#	MFG#	DC VOLTS	DC AMPS	BATTERY AMP HOUR CAPACITY (12 HR)
CH-12		12	10	

AMERICAN-LINCOLN

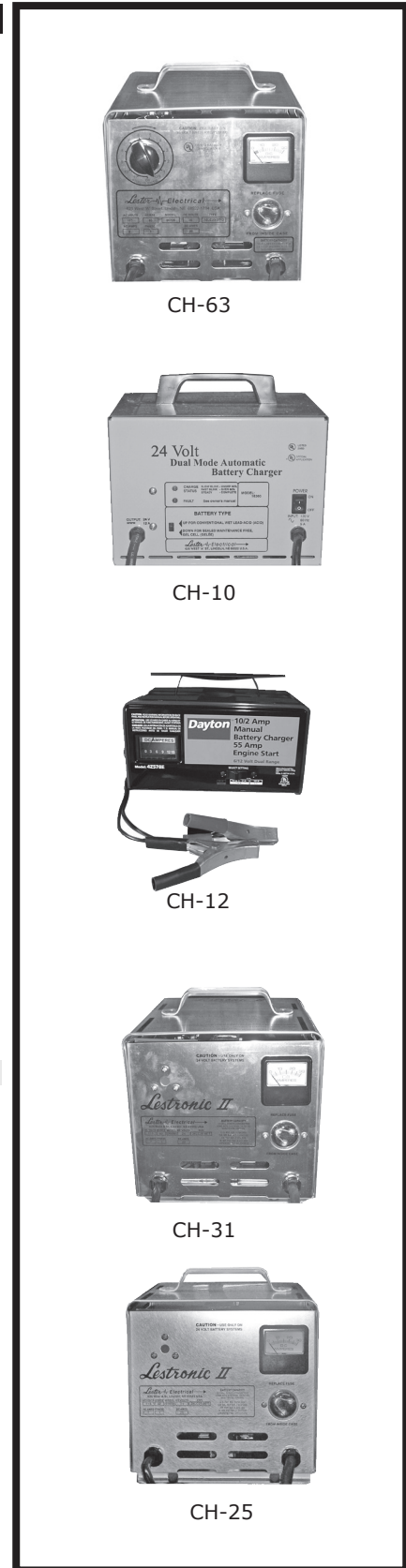
MODEL #	SEMI-AUTOMATIC	AUTOMATIC
All 24 Volt Scrubbers	CH-42	CH-24
All 36 Volt Scrubbers	CH-62	CH-36, CH-63

BREUER-TORNADO

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
All 24 Volt	CH-41	CH-10
All 36 Volt / 10 Amp		CH-36

CASTEX-NOBLES

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
SPE SCU 1700 & 2000	CH-41	CH-10
All 24 Volt / 10 Amp	CH-41	CH-10
All 36 Volt / 25 Amp	CH-7	CH-38
All 36 Volt / 40 Amp	CH-39	CH-40



CH-63

CH-10

CH-12

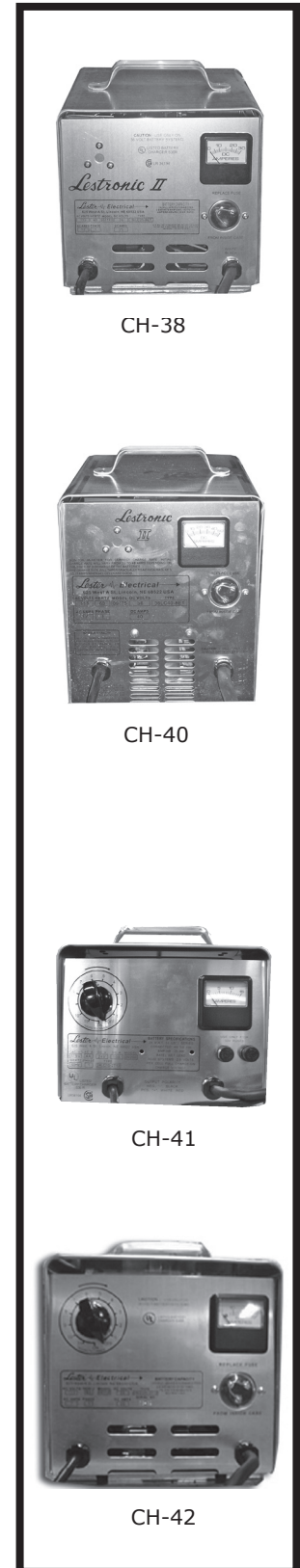
CH-31

CH-25



CLARKE

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
Encore (All 36 Volt)	CH-7	CH-38, CH-37
Encore (All 24 Volt)	CH-41	CH-10, CH-32
SPS-28	CH-41	CH-10
TB-18	CH-8	CH-32
TB-21	CH-8	CH-32
TB-24	CH-7	CH-38, CH-37
TB-32	CH-7	CH-38, CH-37
TB-60 (All Models)	CH-7	CH-38, CH-37
TB-80 (All Models)	CH-7	CH-38, CH-37
2000B	CH-41	CH-10, CH-32
2400 (All Models)	CH-7	CH-38, CH-37
3200 (All Models)	CH-7	CH-38, CH-37
Ultra - 202	CH-7	CH-38, CH-37
Ultra - 242	CH-7	CH-38, CH-37
Ultra - 322	CH-7	CH-38, CH-37
Ultra 2025	CH-7	CH-38, CH-37
Vision (All 36 Volt)	CH-7	CH-38, CH-37
Vision (All 24 Volt)	CH-41	CH-10, CH-32



CH-38

CH-40

CH-41

CH-42

GRACO

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
Gamma 26	CH-8	CH-32
GS 2000B/ Meteor	CH-7	CH-38
Saturn 16	CH-41	CH-10
Saturn 21 (American)	N/A	F721215
Saturn 21 (Italian)	CH-8	CH-32
Saturn 24	CH-7	CH-38, CH-37
Saturn 32	CH-7	

HOOVER

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
Scrub Max	CH-6, CH-62	CH-63

KENT

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
All 24 Volt / 10 Amp	CH-41	CH-10
All 24 Volt	CH-42	CH-31
All 36 Volt	CH-62	CH-36, CH-63 CH-38 (Optional)

MINUTEMAN

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
All 24 Volt	CH-41	CH-10, CH-31
All 36 Volt	CH-7	CH-38

Chargers - Cross Reference



Chargers

MULTICLEAN

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
---------	----------------	-----------

All 24 Volt	CH-42	CH-24
All 36 Volt	CH-62	CH-36, CH-63

NILFISK/ADVANCE

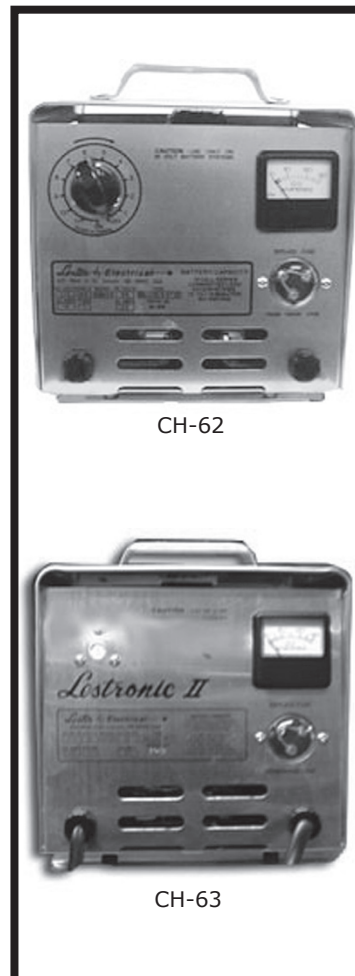
MODEL #	SEMI-AUTOMATIC	AUTOMATIC
---------	----------------	-----------

A-134B	CH-41	CH-10
A-17B	CH-41	CH-10
A-18B	CH-41	CH-10
A-20B	CH-41	CH-10
A-21B	CH-42	CH-31
A-24B	CH-42	CH-31
A-26B	CH-42	CH-31
A-260B	CH-42	CH-31
A-280B	CH-62	CH-63, CH-36
A-32B	CH-62	CH-63, CH-36, CH-38 (Optional)
A-320B	CH-62	CH-63, CH-36
A-360B	CH-62	CH-63, CH-36
A-38B	CH-62	CH-63, CH-36, CH-38 (Optional)
A-380B	CH-62	CH-63, CH-36
A-3600B	CH-62	CH-63, CH-36, CH-38 (Optional)
TWIN 2000B	CH-62	CH-63, CH-36
1000	CH-42	CH-31
2000B	CH-62	CH-63, CH-36

NSS

MODEL #	SEMI-AUTOMATIC	AUTOMATIC
---------	----------------	-----------

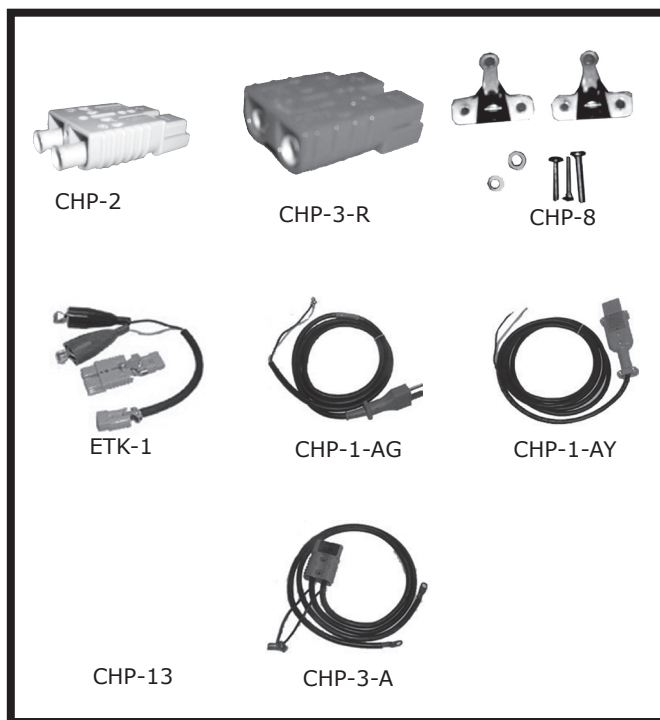
All 24 Volt	CH-42	CH-24
All 24 Volt / 10 Amp	CH-41	CH-10
All 36 Volt	CH-62	CH-36



PLUGS AND PLUG HOUSINGS

	GRACO#	DESCRIPTION
50A	CHP-2	50 Amp Charger Plug & Contacts (Gray) L: 1-7/8" W: 1.5" H: 7/16"
	CHP-2-I	50 Amp Charger Plug Assembly
	CHP-2-R	50 Amp Charger Plug (Red) & Contacts
	CHP-7	50 Amp Charger Plug Housing Only (Gray)
	CHP-7-R	50 Amp Charger Plug Housing Only (Red)
	CHP-8	Retainer Clamp (for 50 Amp)
	CHP-17	10 Gauge Wire Insert (for 50 Amp)
175A	CHP-3	175 Amp Charger Plug & Contacts (Gray) L: 3" W: 2-1/8" H: 1"
	CHP-3-R	175 Amp Charger Plug (Red) & Contacts
	CHP-9	175 Amp Charger Plug Housing Only (Gray)
	CHP-9-R	175 Amp Charger Plug Housing Only (Red)
	CHP-13	Retainer Clamp (for 175 Amp)
350A	CHP-5	D.C. Receptacle For 2 Prong Plug
	CHP-350	350 Amp Charger Plug (Gray)
	CHP-350R	350 Amp Charger Plug (Red)

Graco makes Charger & Battery Cable Assemblies to fit your specifications.





SPECIAL CORD ASSEMBLIES

GRACO#	OEM#	DESCRIPTION	TO FIT
CHP-1-AG	386118	D.C. Cord Assembly (Grey Plug)	All Chargers w/ Two Blade Plug (Grey)
CHP-1-AY		D.C. Cord Assembly (Yellow Plug)	All Chargers w/ Two Blade Plug (Yellow)
CHP-175A		D.C. Cord w/175 Amp Plug	All Chargers (Specify Red or Gray Plug)
CHP-2-A	908818	D.C. Cord w/50 Amp Plug	All Chargers (Specify Red or Gray Plug)
CHP-2ANS	27-209-1	Charger Plug w/wire	NSS Wrangler
CHP-3-A	364194	Charger Plug w/cable	Advance Convertamatic
CHP-4-A	41122A	Cable Assembly Console	Leader Series II
CHP-5-A	41201A	Cable Assembly Battery	Leader Series II
CHP-6-A	41200A	Cable Assembly Battery	Ultra Speed 202
CHP-7-A	750673	Charger Plug Assembly	Hako M2300
CHP-8-A	41120A	Cable Assembly Console	Clarke Leader Series II
CHP-9-A	324307	Adaptor Plug Assy	Convertamatic 200B, 200BD, 200LX, 20B
CHP-18	391161	Connector - Assembly Battery	Advance Trac Series Scrubbers
CHP-19	261237	Connector - Assembly Battery	Advance Trac Series Scrubbers
CHP-21-A	59187217	Charger Plug & Wire Assembly	Hoover Scrub Max
CHP-24-A	41207A 792455	Cable, Battery w/ Covers	Clarke Leader 2000B
CHP-25-A	41146A	Console Cable Assy.	Vision 21, Encore 20
CHP-26-A	41140A	Console Cable Assy.	Encore 28, 33, 38, Vision 26, 32, 38
CHP-27-A	41211A	Battery Cable Assy.	Vision 21, Encore 20
CHP-28-A	41208A	Battery Cable Assy.	Encore 28, 33, 38, Vision 26, 32, 38
CHP-28-A	41206A	Battery Cable Series	Encore 20, 38, 33, 38
ETN-8	069-760-333 63372A	D.C. Cord w/175 Amp Plug Cable Assembly	Tennant 432 & Castex/Nobles
ETK-1		Charger Test Kit	As Pictured on Page 86
ETK-1-R		Same As Above w/SB-50 Red Plug	As Pictured on Page 86

CHARGER PLUG HANDLES

GRACO#	DESCRIPTION
CHP-2H	Handle for CHP-2 (Gray Plastic)
CHP-2-RH	Handle for CHP-2 (Red Plastic)
CHP-3H	Handle for CHP-3 (Gray Plastic)
CHP-3-RH	Handle for CHP-3 (Red Plastic)



SPOTLIGHT

CHARGER HANDLES



CHP-2H

Keep your power cord safe and secure with attachable Charger Handles!

- Easy to attach
- Attaches to charger plug
- Affordable and convenient
- Fits *all* chargers



CHP-3H

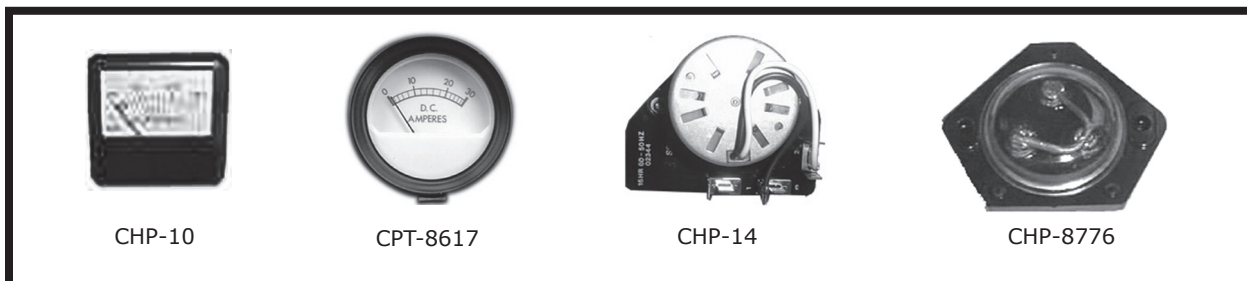


LESTER

MODEL#	GRACO MODEL#	AMMETER	CAPACITOR	CORD STRAIN RELIEF A.C.	RELIEF D.C.
6720	CH-62	CHP-10	CHP-2390	03894S	
6730	CH-42	CHP-10	CHP-2390	03894S	
7210	CH-32	04127S	CHP-2390		
7710	CH-38	CHP-10	CHP-2390	03894S	
8781	CH-30	CHP-10	CHP-2390		
9080	CH-39		CHP-2390		
9200	CH-41		03820S	03894S	03894S
9475	CH-40		CHP-2390		
9611	CH-7	CHP-10	CHP-2390		
9700	CH-63	CHP-10	CHP-2390		
9800	CH-31	CHP-10	CHP-2390		
13115	CH-10	02534S	03820S	03894S	03894S
13175	CH-8	CHP-10	CHP-2390		
13810	CH-44				

M.A.C

MODEL#	GRACO MODEL#	AMMETER	RELIEF D.C.
TR-36	CALL	CPT-8617	CPT-7996
TR-360	CALL	CPT-8617	CPT-7996
V-36	CH-36	CPT-9818	CPT-7996
V-360	CH-37	CPT-9818	CPT-7996
V-24	CH-24	CPT-9818	CP-11641
V-240	CH-25	CPT-9818	CP-11641



CHP-10

CPT-8617

CHP-14

CHP-8776

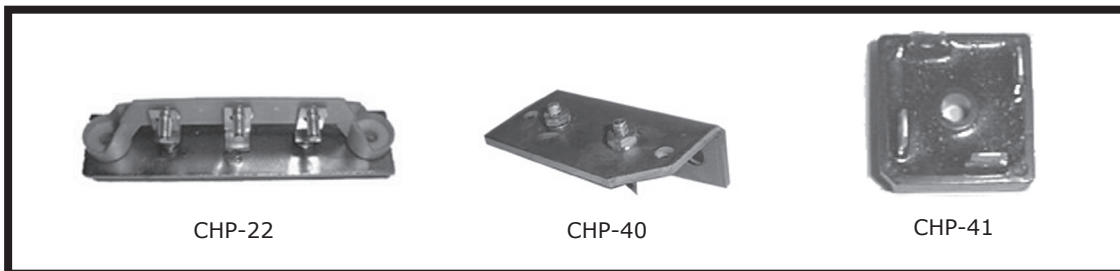


LESTER

MODEL#	FUSE	FUSE HOLDER	HEAT SINK ASSEMBLY	DIODE	TIMERS	TIMER KNOB
6720	CHP-8776	CALL	CHP-22	CALL	CHP-14	CHP-16
6730	CHP-8776	CALL	CHP-22	CALL	CHP-14	CHP-16
7210	CHP-8776	CALL	CHP-22	CALL		CALL
7710	CHP-8776	CALL	CHP-22	CHP-23	06357S	CALL
8781	08774S	CALL	CHP-22	CALL	CHP-14	CHP-16
9080	08774S	CALL		CALL	CHP-14	CHP-16
9200		03837S	CHP-22	CALL	CHP-14	CHP-16
9475	08774S	CALL				CALL
9611	CHP-8776	CALL	CHP-22		CHP-14	CHP-16
9700	CHP-8776	CALL	CHP-22			CALL
9800	CHP-8776	CALL	CHP-22			CALL
13115		03837S	CHP-22			CALL
13175	CHP-8776	CALL	CHP-22		CHP-14	CHP-16
13810		CALL	CHP-22			

M.A.C

MODEL#	FUSE	FUSE HOLDER	HEAT SINK ASSEMBLY	DIODE	TIMERS	TIMER KNOB
TR-36	CPT-1374	CALL		CHP-61	CPT-7489	CPT-7794
TR-360	CPT-1374			CHP-61	CPT-7489	CPT-9231
V-36	CPT-1374	CALL	CALL	CHP-61	CALL	
V-360	CPT-1374	CALL	CALL	CHP-61	CALL	
V-24	CPT-1374	CALL	CALL	CHP-61	CALL	
V-240	CPT-1374	CALL	CALL	CHP-61	CALL	



CHP-22

CHP-40

CHP-41