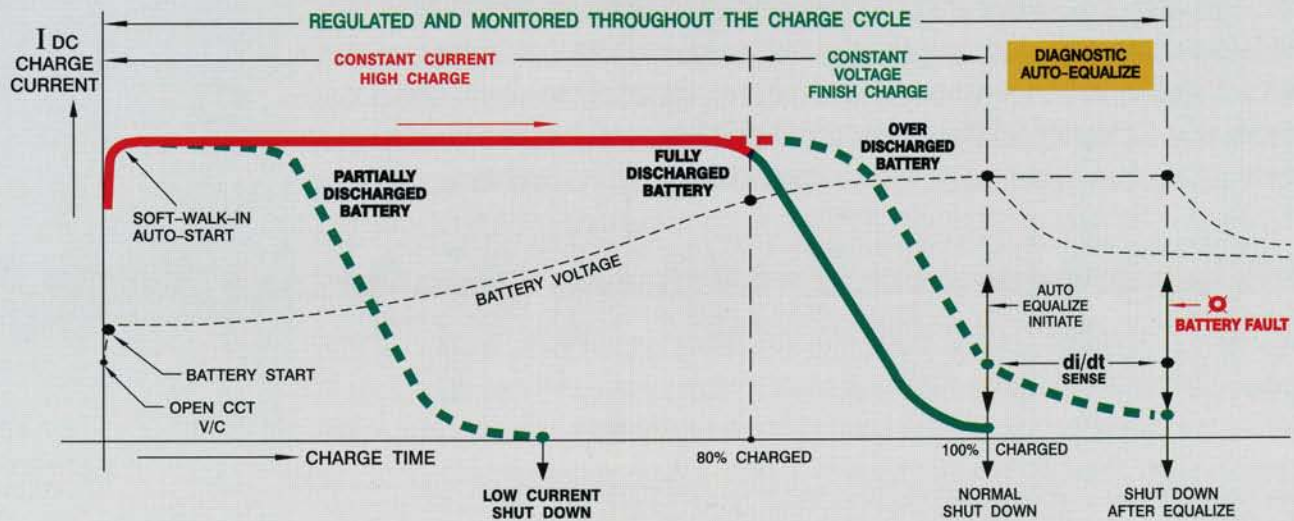


# SMART **AUTO 2001** CHARGER

DESIGNED TO CHARGE ALL MAKES AND TYPES OF VENTED AND SEALED LEAD ACID BATTERIES

There are no constraints on the users choice of battery now or in the future.

## 'AUTO-2001' IE(i) CHARGE PERFORMANCE



### ENVIRONMENT FRIENDLY

- "Soft-Walk-In" start reduces inrush current stress in the AC supply, intercell - links, & battery plug.
- Delayed start - this allows peak demand energy savings and hot batteries to cool before charging.
- Meets CSA/UL, "EMI" and "RIF" emission limits.
- Optional - 20% peak demand energy savings.
- Optional - low harmonic distortion (12 pulse rectifier).

### USER FRIENDLY

- Starts - by connecting battery with "Soft-Walk-In".
- Operator does not need special training - No switches, push buttons, keys to operate.
- Quiet, convection cooled, efficient performance.
- Compact style 'A' wall/floor cabinet handles up to 1050AH/12c, 940AH/18c, 770AH/24 cell chargers.
- Automatic "Start - Equalize - Stop" operation, allows space saving, elevated cabinet positioning.
- Status display protected by recessed door.
- Bright color coded bargraph is visible up to 120 ft.
- Diodes are overload-coordinated with slow DC - fuse.
- Heavy duty, twin flex, DC cables are twist free.
- Convenience, accurate battery voltage, test outlet at door.



### OPTIMAL BATTERY PERFORMANCE

- Ideal (IEi) charge mode recognized for long battery life.
- Eliminates over and under charging.
- Low battery temperature rise during charge.
- Low current shut-down - preserves battery life by preventing unnecessary charging.
- Easy End voltage (gassing point) select - allows you to charge vented & sealed, new & old, batteries.
- Reduced water consumption & maintenance.
- No battery discharge when AC off.
- Resumes & completes charge after AC outage.
- Auto equalize as required by battery condition.
- Accurate voltage sensing & monitoring at battery plug.
- Battery temperature compensated charging - optional.
- Charge fail alarm alerts attention to trouble shooting check list.

REGULATED AND PROGRAMMED TO SAVE ENERGY AND EXTEND BATTERY LIFE

The AUTO 2001 charger saves 15-40% peak demand energy compared to FERRO and SCR type chargers

# LARGE CHOICE OF **AUTO 2001 PL** CHARGERS TO MATCH YOUR BATTERY

**SELECT:** Single phase chargers can be connected to your 3-phase supply (phase to phase or phase to neutral).

## STANDARDS

- 8 ft. battery cables & SB or SBX-plug.

## OPTIONS

- Special DC-plugs such as EC & YC.
- Y-Harness for series charging including standard DC-plugs.
- Parallel Charging cables including standard DC-plugs.
- DC-cables in excess of 8 ft.
- AC-fused disconnect switch or bkr.
- 50Hz operation, 220/240V 1-Phase, 380/415V 3-Phase.
- Tropicalization, fungus proofing, export crating.
- Special custom design controls, ratings.
- Dual or Multi-AC Input Chargers (Forward AC-line voltages required.)
- Models with 20% peak demand energy savings.
- Models with extra low harmonic AC-line current distortion (12 pulse rectifier).
- Models wired for remote computer monitor interface.
- Dual 12/24 or 24/48 D.C. output.

NO. CELL	RATING		TYPE NO. Insert Voltage Code	1-PHASE 60HZ AC-INPUT							3-PHASE 60HZ AC-INPUT				
	AMPERE-HOUR CAPACITY			AC-LINE AMPERES				SHIP WT. LBS	CAB. STYLE	AC-LINE AMPERES			SHIP WT. LBS	CAB. STYLE	
	8 Hour Charge	12 Hour Charge		A	B 208-240V	G 480V	H 600V			E 208V-240	F 480V	K 600V			
6	225	330	A...6...225..	5	3/2.6	-	-	85	E	--	--	--	-	-	
	300	450	A...6...300..	7	4/3.5	-	-	91	E	--	--	--	-	-	
	450	675	A...6...450..	10	5/4.5	2.5	2.0	103	E	3/2.7	1.4	1.2	218	A	
	520	780	A...6...520..	11	6/5.3	2.8	2.2	75	A	3.5/3.1	1.5	1.3	223	A	
	600	900	A...6...600..	12	7/6.2	3	2.5	116	E	4/3.5	1.7	1.5	227	A	
	770	1150	A...6...770..	16	9/8	4	3.5	121	A	5/4.4	2.3	2	256	A	
	850	1275	A...6...850..	-	10/9	4.5	3.7	128	A	6/5.2	2.6	2.2	262	A	
	940	1410	A...6...940..	-	11/10	5	4	135	A	7/6	3.0	2.4	268	A	
	1050	1570	A...6...1050..	-	13/11	5.5	4.5	143	A	7.5/6/7	3.3	2.7	281	A	
	1210	1810	A...6...1210..	-	--	-	-	-	-	8/7	3.6	3	297	B	
1500	2250	A...6...1500..	-	--	-	-	-	-	10/9	4.5	3.8	339	B		
12	225	330	A...12...225..	10	6/5	2.5	2	103	E	3.6/3	1.5	1.2	230	A	
	300	450	A...12...300..	14	8/7	3.5	3	116	E	5/4.2	2.1	1.8	249	A	
	450	675	A...12...450..	19	11/10	5	4	133	E	6/4.6	2.8	2.3	261	A	
	520	780	A...12...520..	21	12/11	5.5	4.5	143	A	7/5.8	3.1	2.6	277	A	
	600	900	A...12...600..	24	14/12	6	5	152	A	8/7	3.5	3.0	293	A	
	770	1150	A...12...770..	31	18/16	8	7	169	A	11/10	4.6	4	305	A	
	850	1275	A...12...850..	-	20/17	9	7.5	177	A	12/11	5.3	4.5	313	A	
	940	1410	A...12...940..	-	22/19	10	8	184	A	13/12	6.0	5	321	A	
	1050	1570	A...12...1050..	-	25/22	12	9	220	A	15/13	6.5	5.5	347	A	
	1210	1810	A...12...1210..	-	--	-	-	-	-	17/15	7.3	6.0	375	B	
1500	2250	A...12...1500..	-	--	-	0	-	-	21/19	9.0	7.6	436	B		
18	225	330	A...18...225..	-	9/8	4	3	116	E	6/5	2.5	1.8	253	A	
	300	450	A...18...300..	-	12/11	5	4	128	E	7/6.5	3.0	2.5	266	A	
	450	675	A...18...450..	-	16/14	7	6	157	A	10/9	4.2	3.5	278	A	
	520	780	A...18...520..	-	18/16	8	7	169	A	11/10	4.7	3.9	291	A	
	600	900	A...18...600..	-	20/18	9	8	182	A	12/11	5.3	4.4	305	A	
	770	1150	A...18...770..	-	26/23	12	10	208	A	16/14	7.0	6	336	A	
	850	1275	A...18...850..	-	29/26	13	11	243	A	18/16	7.8	6.5	345	A	
	940	1410	A...18...940..	-	33/29	15	12	278	A	20/18	8.6	7	355	A	
	1050	1570	A...18...1050..	-	37/33	17	14	292	B	22/20	10.0	8	374	B	
	1210	1810	A...18...1210..	-	--	-	-	-	-	25/22	11.0	9	396	B	
1500	2250	A...18...1500..	-	--	-	-	-	-	31/27	14.0	12	484	B		
24	225	330	A...24...225..	-	11/10	5	4	135	E	7/6	3.0	2.5	242	A	
	300	450	A...24...300..	-	15/13	7	5.5	157	A	9/8	4	3.4	256	A	
	450	675	A...24...450..	-	21/19	9	8	182	A	13/12	5.6	4.7	374	A	
	520	780	A...24...520..	-	24/21	10	9.0	204	A	14/13	6.3	5.3	294	A	
	600	900	A...24...600..	-	27/24	12	10	226	A	16/14	7	6.0	315	A	
	770	1150	A...24...770..	-	35/31	15	13	283	A	21/19	9	7.6	358	A	
	850	1275	A...24...850..	-	35/31	17	14.5	305	B	23/21	10	8.8	378	B	
	940	1410	A...24...940..	-	--	19	16	327	B	26/23	11	10	399	B	
	1050	1570	A...24...1050..	-	--	21	18	352	B	30/26	13	11	470	B	
	1210	1810	A...24...1210..	-	--	-	-	-	-	33/29	15	12	491	B	
1500	2250	A...24...1500..	-	--	-	-	-	-	41/36	19	15	581	B		
36	225	330	A...36...225..	-	17/15	7.5	6	154	A	10/9	4.5	3.6	286	A	
	300	450	A...36...300..	-	23/20	10	8	169	A	14/12	6	5	297	A	
	450	675	A...36...450..	-	32/28	14	12	226	A	19/17	8	7	351	A	
	600	900	A...36...600..	-	40/35	18	15	283	A	24/21	1	9	360	A	
	770	1150	A...36...770..	-	--	23	19	327	B	31/27	14	11	418	B	
	940	1410	A...36...940..	-	--	28	24	399	B	39/34	17	14	508	B	
	1050	1570	A...36...1050..	-	--	32	27	429	B	44/39	19	16.5	550	B	
1210	1810	A...36...1210..	-	--	-	-	-	-	50/44	22	18	605	B		
1500	2250	A...36...1500..	-	--	-	-	-	-	67/54	28	22	678	B		

**PREMIUM LINE** **PL** INSERT T - dv/dTemperature Compensation.  
**ECONO LINE** **EL** Available with ratings for 80% discharged batteries.

### LOW OPERATING and MAINTENANCE COST

- ONLY 4 CONSERVATIVE RATED MAIN COMPONENTS
- ONLY 1 CONTROL STATUS MODULE FOR 1 & 3 PHASE RATINGS
- CONTAINS NO SCR'S, FAST FUSES, CAPACITORS, ANALOG METER, MECHANICAL TIMER, FAN, AUX. TRANSFORMER

**CSA APPROVED - BUILT TO UL STANDARDS**  
**CONFORMS TO OSHA - NEMA - IEC - VDE**

**NO EXTRAS REQUIRED for Wall Mounting Style "A" or Stacking Up to 3 High Style "A", "B" Cabinets**

CABINET STYLE	DIMENSIONS		
	H	W	D
"A"	24"	20"	15"
"B"	30"	22"	20"

**- 30 YEARS PROVEN RELIABILITY - 12 YEAR LIMITED WARRANTY**



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