

ATP-EV

Stationary Battery Charger



MUCH MORE THAN A STATIONARY BATTERY CHARGER

The ATP-EV Series Battery Chargers have been the industry standard in stationary utility applications for over 40 years. As demand for full system reliability increases, our products have evolved to include powerful diagnostics to better assess the health of your charging system. ATP-EV represents the next generation of our AT Series product line. It is designed and manufactured with the same high quality and reliability you've come to expect from Atlantic Power.

Not only is ATP-EV equipped with the same standard AT Series Charger features, it is loaded with a host of alarms and diagnostics designed to better identify both potential dc threats and real-time dc issues. ATP-EV built-in Health System acts as both a configuration verification and self-diagnostic tool to ensure your dc system reliability.

Equipped with an easy to use interface with graphical LCD display, ATP-EV offers a more elegant and intuitive user experience. Packed with a host of powerful features and options, ATP-EV is the clear choice for utility battery charger applications.

ATP-EV SERIES BATTERY CHARGER

PRODUCT OVERVIEW



SETUP MADE EASY

With its built-in setup wizard, the Health system will walk you through all the charger settings to ensure they are set to your requirements.



24/7 SUPERVISION

At any moment, if a DC System or battery charger abnormality occurs, the HHS will identify the issue and alert the operator via the HMI Screen and LED indicator lamps. Every feature of the battery charger will be alarmed by the HHS, plus any third party device connected through the auxiliary board.



INSIGHT AT A GLANCE

The Health System status lights let you know your system's condition instantly. Green, you are good to go. Solid Red, some maintenance is required. Blinking Red, immediate action is required.



SYSTEM COMPATIBILITY

The ATP-EV HHS was designed to work independently with the battery charger or in tandem with any new Atlantic Power products. When paired with an EPIC Series Console or EPIC Battery House, the HHS will act as a supervisory device, overseeing the system as a whole.

ALARMING (DIAGNOSTIC) CAPABILITY

ATP-EV provides you with advanced alarming capability right out of the box that will meet most utility specifications and requirements. An LED indicator light comes standard with HVDC, LVDC, dc output failure, ac input failure, and (+) (-) ground fault.

- | | | |
|---------------------|-----------------------|---------------------------------------|
| • High DC Voltage | • High Level Detect | • Open Breaker |
| • Low DC Voltage | • Low Level Detect | • Open External and Internal Feedback |
| • DC Output Failure | • SCR Failure | • End of Discharge |
| • AC Input Failure | • Rectifier Over-temp | • Open DC Output |
| • Ground Fault | • AC Ripple | • Current Limit |
| • Summary | • Relay Failure | |

The ATP-EV allows users to aggregate alarms by high priority alarm and low priority alarm. This allows users to customize alarm groupings based on their interpretation of priority requiring attention.

SPECIFICATIONS

AC Input

- **Input Voltage:**
120, 208, 240, 480, 600 @ 60Hz
120/208/240 (multi-tap) @ 60Hz
220, 380, 416 @ 50/60Hz
*120 VAC and multi-tap inputs not available for certain single phase units and all three-phase units
- **Input Voltage Tolerance:**
+10%, -12%
- **Input Frequency Tolerance:**
±5%
- **Efficiency:**
85-90% typical for 130Vdc at 50-100% load

HOW TO SIZE YOUR BATTERY CHARGER

(Simplified Formula)

$$\left(\frac{Ah \times 1.R}{t} + L \right) = \text{Continuous Charger Output Rating}$$

Ah=Ampere hours removed
R= Recharge factor (1 = Pb) or (3 = NiCd)
L= Additional standing load
t= Recharge time in hours

DC Output

- **Voltage Ratings:**
24, 48, 130 or 260 Vdc nominal
 - **Current Ratings:**
6, 12, 16, 20, 25, 30, 40, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 600, 800, 1000 Adc
1ph units available from 6-100A (130V only up to 75A)
3ph units available from 25A-1000A (24 and 48V start at 50A)
(refer to pages 4-5 available charger output ratings)
 - **Continuous Rating:**
110% rated current at maximum equalize voltage at -18 to 50°C
 - **Transient Rating:**
Per NEMA PE-5
 - **Current Limit Adjustment Range:**
50% to 110% rated output
 - **Voltage Regulation:**
±0.25% for line, load and temp. variations
*Regulation at max. extended equalize voltages may not meet ±0.25%
 - **Electrical Noise:**
26dBnc
- **Ripple:**
24/48Vdc
 - Filtered on battery 30mVrms
 - Filtered off battery 1% Vrms
 - Battery Eliminator 30mVrms130Vdc
 - Filtered on battery 100mVrms
 - Filtered off battery 2% Vrms
 - Battery Eliminator 100mVrms
 - Super Eliminator 30mVrms260Vdc
 - Battery Eliminator 200mVrms
 - **Surge Withstand Capability:**
Designed to meet IEEE-472, ANSI C37.90a

Environmental

- Operating Ambient Temperature 5°F to 122°F (-10°C to 50°C) w/o derating
- Operating Altitude 3300 feet (1000 meters) above sea level w/o derating
- Relative Humidity 0% to 95% (w/o condensation)
- Audible Noise Less than 65 dBA at any point 5ft (1.5m) from any vertical surface of enclosure

Safety & Acceptance

- Meets NEMA PE5
- Third party agency approvals:



Seismic qualified IEEE 693/IBC CBC ABS or
CE certification available upon request

- MADE IN USA

SPECIFICATION CHART (SINGLE PHASE INPUTS)

DC Output Rating		Maximum AC Input Current								AC Circuit Breaker Ampere Rating								DC Circuit Breaker Rating	Cabinet Style	Approx. Shipping Weight lbs.(kg)	Heat Loss watts (BTU/hr)
Volts	Amps	120 Vac	208 Vac	240 Vac	480 Vac	600 Vac	220 Vac	380 Vac	416 Vac	120 Vac	208 Vac	240 Vac	480 Vac	600 Vac	220 Vac	380 Vac	416 Vac				
24Vdc	6	5	3	3	3	3	3	3	3	15	15	15	15	15	15	15	15	10/15	5054	121 (55)	33 (11)
	12	7	5	4	3	3	5	4	4	15	15	15	15	15	15	15	15	20	5054	121 (55)	60 (204)
	16	9	5	5	4	4	6	4	4	15	15	15	15	15	15	15	15	25	5054	132 (60)	78 (265)
	20	11	6	6	4	4	6	5	4	15	15	15	15	15	15	15	15	32/30	5054	138 (62)	96 (327)
	25	13	7	7	4	4	7	5	5	20	15	15	15	15	15	15	15	40	5054	138 (62)	118 (404)
	30	15	9	8	5	4	9	6	5	20	15	15	15	15	15	15	15	50	5054	147 (66)	141 (481)
	40	20	12	10	6	5	11	7	7	25	15	15	15	15	15	15	15	63/60	5054	149 (67)	186 (635)
	50	25	15	13	7	5	14	9	8	40	20	20	15	15	20	15	15	80	5054	177 (80)	231 (789)
	75	39	21	18	10	9	22	13	12	50	30	30	15	15	30	20	20	125	5070	282 (128)	344 (1174)
	100	53	31	27	14	11	30	18	16	70	40	40	20	20	40	25	25	150	5070	317 (143)	457 (1558)
48Vdc	6	9	6	5	4	5	6	4	4	15	15	15	15	15	15	15	15	10/15	5054	121 (55)	42 (144)
	12	16	10	8	5	5	10	6	6	20	15	15	15	15	15	15	15	20	5054	135 (61)	79 (268)
	16	20	12	10	6	6	12	8	7	25	15	15	15	15	15	15	15	25	5054	157 (71)	103 (352)
	20	23	14	12	7	7	13	9	9	30	20	20	15	15	20	15	15	32/30	5054	175 (79)	128 (436)
	25	27	16	14	8	7	15	10	9	40	20	20	15	15	20	15	15	40	5054	175 (79)	158 (548)
	30	27	16	14	8	7	15	10	9	40	20	20	15	15	20	15	15	50	5054	181 (82)	189 (644)
	40	36	21	18	10	8	20	12	11	50	30	30	15	15	30	15	15	63/60	5054	198 (90)	250 (852)
	50	45	26	23	12	10	25	15	14	60	35	35	15	15	35	20	20	80	5054	204 (92)	311 (1061)
	75	66	38	36	17	14	37	22	20	90	50	50	25	20	50	30	30	125	5070	321 (146)	463 (1582)
	100	91	54	47	24	19	52	30	28	125	70	70	30	30	70	40	40	150	5070	393 (178)	616 (2013)
130Vdc	6	14	8	7	5	6	8	6	5	20	15	15	15	15	15	15	15	10/15	5054	146 (67)	71 (243)
	12	33	20	17	10	8	20	12	11	50	25	25	15	15	30	15	15	20	5054	186 (84)	137 (467)
	16	39	23	20	11	10	23	14	13	50	30	30	15	15	30	20	20	25	5054	211 (96)	181 (617)
	20	45	27	23	12	10	27	15	15	63	40	40	15	15	40	20	20	32/30	5054	235 (107)	224 (766)
	25	50	32	28	14	12	32	17	17	63	40	40	20	20	40	25	25	40	5054	235 (107)	279 (953)
	30	62	36	31	16	15	35	21	19	80	50	50	20	20	50	30	30	50	5054	241 (109)	334 (1140)
	40	86	47	41	21	17	44	26	24	110	60	60	30	25	60	35	35	60	5070	341 (155)	443 (1513)
	50		58	51	26	21	52	32	30		80	80	35	30	80	40	40	80	5070	384 (174)	553 (1887)
	75		89	78	39	31	84	50	45		125	125	50	50	125	70	70	125	5070	422 (192)	826 (2821)
	100																				
260Vdc	6	28	18	15	9		19	12	11	40	25	25	15		25	15	15	10	5054	199 (90)	120 (411)
	12		36	32	17		33	20	19		50	50	25		50	25	25	20	5054	227 (103)	235 (803)
	16	84	48	42	22	18	46	28	26	125	60	60	30	30	60	40	40	25	5070	380 (172)	312 (1064)
	25		67	59	30	25	69	41	38		100	100	40	40	100	60	60	40	5070	420 (190)	484 (1652)

SPECIFICATION CHART (THREE PHASE INPUTS)

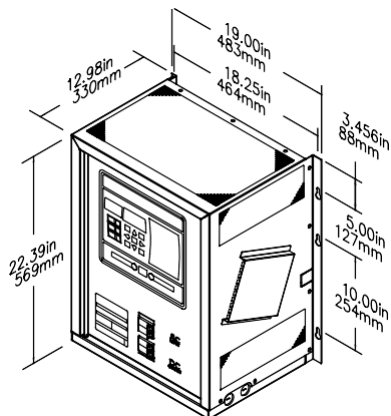
DC Output Rating		Maximum AC Input Current							AC Circuit Breaker Ampere Rating							DC Circuit Breaker Rating	Cabinet Style	Approx. Shipping Weights lbs.(kg)	Heat Loss Watts (BTU/hr)
Volts	Amps	208 Vac	240 Vac	480 Vac	600 Vac	220 Vac	380 Vac	416 Vac	208 Vac	240 Vac	480 Vac	600 Vac	220 Vac	380 Vac	416 Vac				
24Vdc	50	9	8	6	5	8	6	6	15	15	15	15	15	15	15	80	5070	232 (105)	231 (89)
	75	12	11	7	7	11	8	8	15	15	15	15	15	15	15	125	5070	251 (114)	344 (1174)
	100	16	14	9	8	15	10	10	20	20	15	15	20	15	15	150	5070	269 (122)	457 (1558)
	125	19	17	10	9	18	12	11	25	25	15	15	25	15	15	175	5030	392 (178)	569 (1943)
	150	23	20	12	10	22	14	13	30	30	15	15	30	20	20	225	5030	413 (187)	682 (2328)
	200	30	26	15	13	28	18	15	40	40	20	20	40	25	25	300	5030	479 (217)	908 (3098)
	250	37	32	18	15	35	22	20	50	50	25	20	50	30	30	350	5030	658 (298)	1133 (3868)
	300	40	35	19	16	38	23	22	50	50	25	25	50	30	30	450	5030	670 (304)	1359 (4638)
	400	64	56	28	25	61	37	35	80	80	40	35	80	45	45	600	163	1150 (522)	1810 (6178)
	500	80	69	36	30	76	45	42	100	100	50	40	100	60	60	700	163	1300 (590)	2261 (7717)
	600	96	83	43	35	84	53	49	125	125	60	50	125	70	70	900	163	1530 (694)	2712 (9257)
	800	140	121	27	47	120	71	65	175	175	80	70	175	90	90	1200	198	2020 (916)	3614 (12336)
	1000	152	133	68	60	148	84	77	200	200	100	80	200	110	110	1200	198	2440 (1107)	4516 (15416)
48Vdc	50	15	14	9	8	15	10	10	20	20	15	15	20	15	15	80	5070	257 (117)	311 (1061)
	75	22	19	11	10	21	14	13	30	30	15	15	30	20	20	125	5070	305 (138)	463 (1582)
	100	28	24	14	12	27	17	16	40	40	20	20	40	25	25	150	5070	327 (148)	616 (2103)
	125	34	30	16	15	33	21	19	50	50	20	20	50	30	30	175	5030	461 (209)	769 (2624)
	150	40	35	19	17	39	24	22	50	50	25	25	50	30	30	225	5030	471 (214)	921 (3145)
	200	53	47	25	21	52	31	29	70	70	35	30	70	40	40	300	5030	535 (243)	1227 (4187)
	250	66	58	31	25	63	35	32	90	90	40	35	90	50	50	350	5030	750 (340)	1532 (5229)
	300	79	69	36	30	76	45	42	100	100	50	40	100	60	60	450	5030	816 (370)	1837 (6272)
	400	114	101	51	42	109	64	59	150	150	70	60	150	80	80	600	163	1100 (499)	2448 (8356)
	500	144	126	65	52	137	81	74	200	200	90	80	200	100	100	700	163	1350 (612)	3058 (10440)
	600	172	149	76	62	161	96	87	250	250	100	90	250	125	125	900	198	1600 (726)	3669 (12524)
	800	227	197	101	82	216	126	115	300	300	150	125	300	175	175	1200	198	2020 (916)	4890 (16693)
	1000	261	225	113	99	248	143	132	350	350	150	150	350	200	200	1200	198	2400 (1089)	6111 (20861)
130Vdc	25	19	17	10	9	19	12	12	25	25	15	15	25	15	15	40	5070	261 (118)	279(953)
	30	22	19	11	10	22	14	13	30	30	15	15	30	20	20	50	5070	261 (118)	334 (1140)
	40	28	25	14	12	28	17	16	35	35	20	20	40	25	25	60	5070	300 (136)	443 (1513)
	50	35	31	17	14	34	21	20	50	50	25	20	50	30	30	80	5070	333 (151)	553 (1887)
	75	50	44	23	20	48	29	27	70	70	30	30	70	40	40	125	5070	407 (184)	826 (2821)
	100	65	57	30	25	63	38	35	90	90	40	35	90	50	50	150	5030	629 (285)	1100 (3755)
	125	81	71	37	31	78	47	43	110	110	50	40	110	60	60	175	5030	661 (300)	1376 (4690)
	150	97	85	44	39	93	56	51	125	125	60	50	125	70	70	225	5030	663 (301)	1647 (5624)
	200	134	114	58	46	123	73	67	175	175	80	70	175	100	100	300	5030	746 (338)	2195 (7492)
	250	154	135	69	56	147	87	80	200	200	100	80	200	125	125	350	163	1130 (513)	2742 (9360)
	300	189	164	81	68	185	106	98	250	250	125	100	250	150	150	450	163	1330 (603)	3289 (11229)
	400		222	112	91	239	143	131		300	150	150	300	200	200	600	163	1580 (717)	4384 (14965)
	500			138	112	269	172	160			175	150	350	250	250	700	198	2150 (975)	5478 (18702)
	600			167	134		209	191			250	200		300	300	900	198	2650 (1202)	6573 (22439)
	800			219			280	255			300			350	350	1200	198	3250 (1474)	8762 (29912)
260Vdc	16	29	26	14	12	29	18	17	40	40	20	20	40	25	25	25	5070	344 (156)	312 (1064)
	25	35	31	20	17	41	25	23	50	50	25	25	60	35	35	40	5070	372 (168)	484 (1652)
	50	66	58	30	25	64	44	41	90	90	40	35	90	60	60	70	5030	683 (309)	963 (3286)
	75	98	85	43	35	92	55	50	125	125	60	50	125	70	70	125	5030	725 (329)	1441 (4920)
	100	128	111	58	47	125	73	67	175	175	80	70	175	100	100	150	5030	819 (371)	1920 (6553)
	150	195	169	85	69	188	107	98	250	250	125	100	250	150	150	225	163	1319 (598)	2877 (9820)
	200	240	220	111	90	221	138	128	300	300	150	125	300	175	175	300	163	1502 (681)	3834 (13088)
	300			167	134		211	193			250	200		300	300	450	198	2323 (1053)	5784 (19622)
	400			222	178						300	250				600	198	2428 (1101)	7662 (26156)

CONFIGURATION & CABINET SIZE

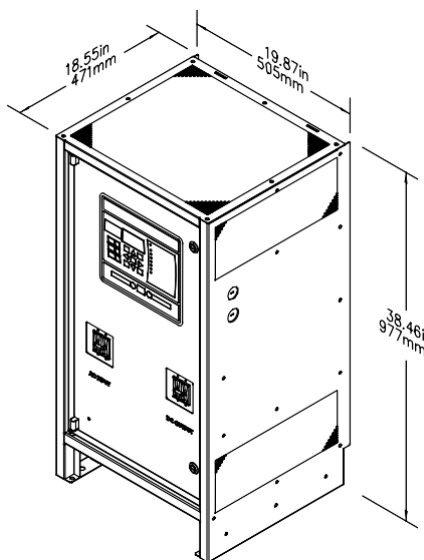
ATO EV SPECIFICATION TABLE

	Ø	Output Voltage			Output Current			Filt	Input Voltage			Factory configurations & options
MODEL #	ATP-EV											Contact us for configuration

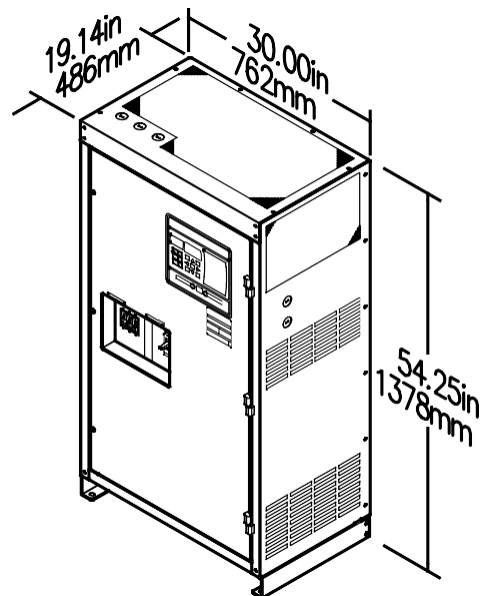
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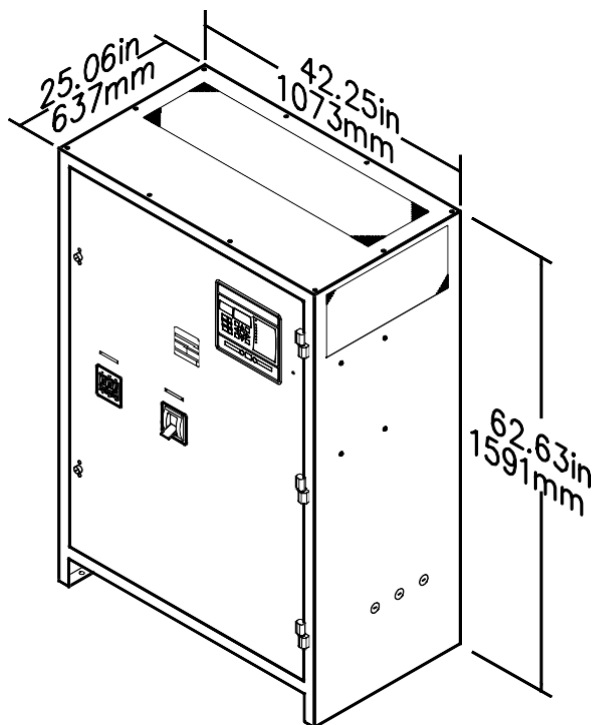
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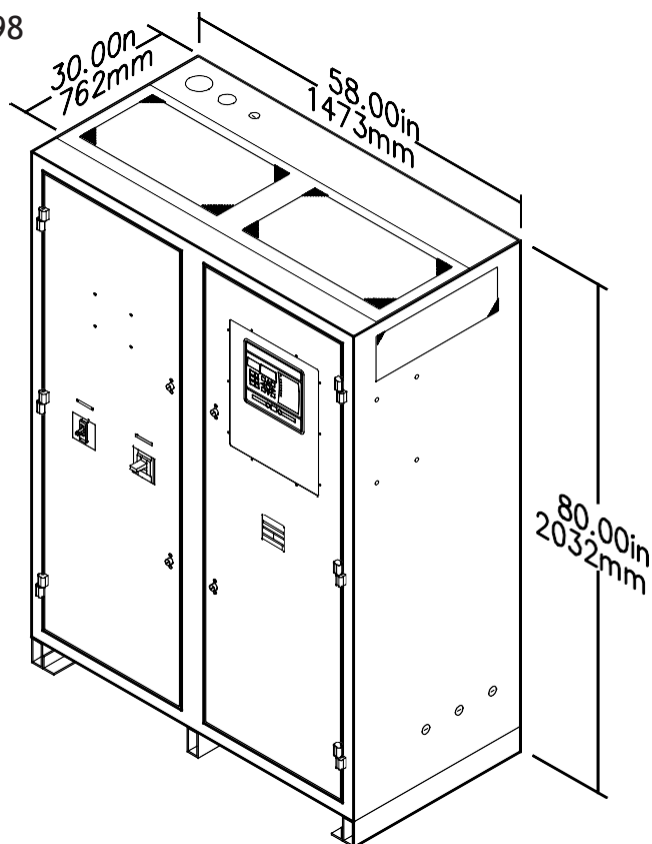
Cabinet 5030



Cabinet 163



Cabinet 198



STANDARD FEATURES



EVENT LOGGING

Don't miss a thing! ATP-EV can log up to 1024 events such as alarms and/or parameter changes.



GRAPHICAL LED DISPLAY

ATP-EV easy to use interface gives you all the information you need with no guess-work.



GROUND FAULT METERING

Standard zero-center voltmeter alerts users of any imbalance on the DC bus.



SECURITY

Password protection prevents unauthorized users from changing any settings on the ATP-EV charger.



DYNAMIC CURRENT LIMIT

Prevents rectifier components from failing in ambient temperatures above 50°C.



BATTERY OPEN ALARM

Ensures battery continuity and alerts you should the charger not be connected to a battery.



UNIVERSAL CONTROL BOARD

No more overstocked boards. Main control board is not voltage specific and can operate in any ATP-EV charger.



LOCAL AND REMOTE VOLTAGE SENSE

Allows the charger to read the actual battery terminal voltage!



CIRCUIT BREAKER PROTECTION

ATP-EV comes factory equipped with thermal magnetic or hydraulic magnetic breakers for both the AC input and DC output. Optional Ampere Interrupting Capacity (AIC) ratings that are higher than standard are available:

- Medium
- High
- Ultimate

Refer to circuit breaker table document JF5072-01 for a full list of AIC ratings. Please note that certain size chargers do not offer optional AIC ratings.

Standard Filtering

Definitions are consistent with current NEMA PE5 standards. The standard DC output filter reduces the output ripple voltage to:

less than 30mVrms through 48 Vdc
less than 100mVrms for 130Vdc batteries

when measured at the battery terminals
with a battery connected.



ELIMINATOR (OPTIONAL)

Eliminator filtering is:
30mV without battery for 24Vdc and 48Vdc chargers.
100mV without battery 130Vdc chargers.
200mV without battery 260Vdc chargers.

*260Vdc chargers only available with eliminator filtering.



SUPER FILTERING (OPTIONAL)

30mV on battery for 130Vdc chargers.

Auxiliary Input/output (I/O) Board

ATP-EV now becomes the central point of your DC system. The optional Auxiliary I/O Board (A4) gives users the ability to monitor status of third-party equipment. It is equipped with:

- (6) programmable alarm relays
- (4) programmable generic binary inputs
- (4) programmable generic analog inputs.

Up to 2 auxiliary input/output boards may be installed in an ATevo charger.



PROGRAMMABLE ALARM RELAYS

- Relays are rated for 0.5A @ 125Vac/Vdc
- Change states based on any alarm condition or status point
- Can be configured to be latching or non-latching
- Adjustable time delay

PART #
EJ5301-XX

PROGRAMMABLE GENERIC BINARY INPUTS

- The four (4) binary inputs are optically isolated from ATP-EV and each other
- Input can be user configured for 24, 48, 130, or 260Vdc thresholds
- Can be configured to be active high or active low, and generate alarms and controls such as charger shut-down
- Typical uses include remote shut-down, electrolyte level, ventilation fan failure, etc.

ADVANCED OPTIONS

PROGRAMMABLE GENERIC ANALOG INPUTS

- The four (4) analog inputs are rated for 0-10Vdc and are referenced to ATP-EV DC (-)
- Analog inputs can be scaled to report and alarm in primary values.
- Uses include: AC voltage, AC current, and temperature transducer inputs

PROGRAMMABLE GENERIC ANALOG INPUTS

- The four (4) analog inputs are rated for 0-10Vdc and are referenced to ATP-EV DC (-)
- Analog inputs can be scaled to report and alarm in primary values.
- Uses include: AC voltage, AC current, and temperature transducer inputs

BATTERY TYPE ALARM TERMINAL BLOCK

Features a separate molded phenolic terminal block, wired directly to the Auxiliary Alarm Relay PC Board. It allows the user to connect remote alarm wiring with ring or fork type lugs. The terminals accept wire sizes #16 to #14 AWG.

PART #
EJ5130-XX

Communications

ATP-EV communications options allow users to remotely observe any status or perform any function that is accessible at the charger's front panel display. Multiple communication options are available as follows:

SERIAL COMMUNICATIONS ADAPTER

EN5034-XX

- Allows connections to either RS-232 or RS-485 networks
- Supports DNP3 Level 2 and Modbus Protocols

ETHERNET COMMUNICATIONS ADAPTER

EN5035-XX

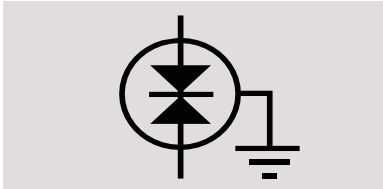
- Supports standard RJ45 10/100 Mbps copper Ethernet connections
- ATP-EV can support one (1) Ethernet Communication Adapter
- Supports DNP3 Level 2 and Modbus Protocols simultaneously

IEC 61850 COMMUNICATIONS ADAPTER

EJ5701-XX

- IEC 61850 communications capability, an international standard defining communication protocols for intelligent devices used in electrical substations

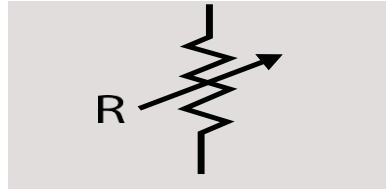
ADDITIONAL ACCESSORIES



AC LIGHTNING ARRESTOR

Recommended for installations with risk of frequent AC surges, such as high elevations or severe weather. Is in accordance with IEEE 472 requirements.

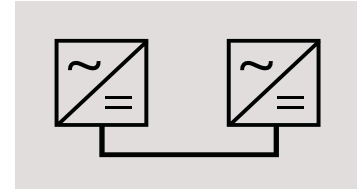
EJ5308-XX



TEMPERATURE COMPENSATION

Adjusts the dc output voltage up or down, in response to battery temperature fluctuations. Consists of an external temperature probe mounted on or near the battery. Useful for lead-acid or nickel-cadmium batteries and available probe lengths of 25, 50, 100 and 200 ft.

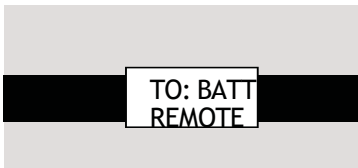
EJ5304-XX



FORCED LOAD SHARE

Provides for load sharing of 2 similar chargers in parallel, allowing for system redundancy.

EJ5306-XX



HEAT SHRINK WIRE MARKERS

Provides additional durability of heat shrink wire markers on the ends of each wire. Corresponds to the schematic.

EJ1076-XX



TRANSDUCERS

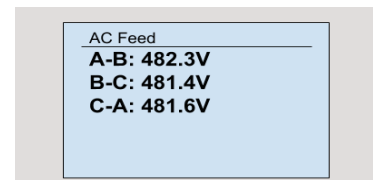
Capability to transmit analog outputs as selected by you for either 4-20ma, 0-5VDC, 0-10VDC for each of the following measurements;

AC Voltage
EJ5316-XX

DC Voltage
EJ5318-XX

AC Current
EJ5317-XX

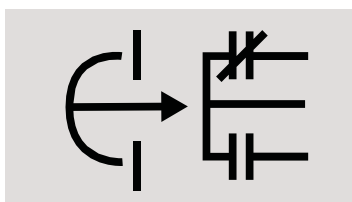
DC Current
EJ5319-XX



AC METERING

Displays AC voltage, current, and frequency on the charger's existing digital LCD display.

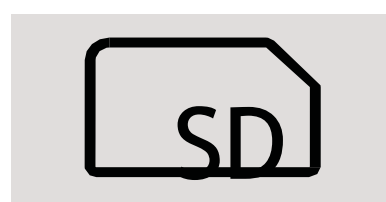
EJ5303-XX



AC/DC CIRCUIT BREAKER AUXILIARY CONTACTS

Allows for remote indication of breaker position.

EJ5305-XX



SD MEMORY CARD

32G sim card formatted as FAT32.

PM5020-XX



FAN CONTROL CONTACTOR

Mounted in a separate NEMA 1 enclosure, this option provides a contactor that will close once the charger is in equalize or a bus voltage threshold has been surpassed.

10A-EJ5017-2X 20A-EJ5017-3X

ENCLOSURE OPTIONS



NEMA 2

Provides a drip shield on the standard enclosure to protect it from falling dirt and/or dripping water.

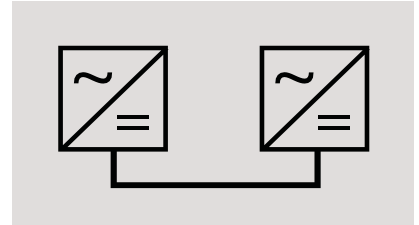
EI0191-XX



NEMA 4/12

All-weather enclosures, will also accommodate NEMA 12 and 13.

CONSULT FACTORY



RELAY RACK MOUNTING

Available for 5054 and 5070 enclosures. These mounting devices are useful for 23"/24" relay racks.

EI0193-XX



FLOOR STANDS

Allow for free standing smaller, typically wall-mounted enclosures. These stands universally allow for the base of the charger to be approximately 44 inches/1.12m from the base or floor.

EI0192-XX

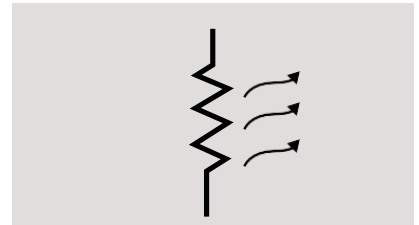


LOCKING PROVISIONS

Provides extra security by physically locking the front door.

Padlock
EI0215-05

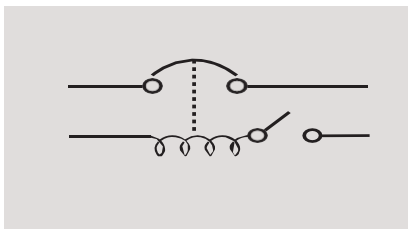
Keylock
EI0215-16



CABINET HEATERS

Provide for anti-condensation heating of the battery charger cabinet.

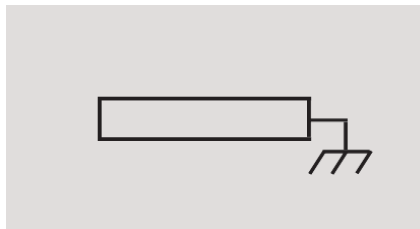
EJ5156-XX



CIRCUIT BREAKER INTERLOCKS

An added measure of protection that inhibits the operator's ability to open the battery charger door when the AC and DC breakers are closed.

EJ5311-XX



COPPER GROUND BUS

Offers a convenient means to tie the ATP-EV to the building's ground.

EI5098-XX



INTERNAL COATINGS

Offer various forms of protection for electrical components and internal wiring connections:

Fungus Proofing
EJ1076-00

Anti-Static
EJ1076-01

Conformal
EJ1076-03