

ATEvo Single Phase Input Current and Circuit Breaker Table

DC Output Rating		Maximum AC Input Current									AC Circuit Breaker Ampere Rating									AC Circuit Breaker AIC Rating									DC Circuit Breaker Rating	DC Circuit Breaker Rating
Voltage	Rating	120	208	240	480	550	600	220	380	416	120	208	240	480	550	600	220	380	416	120	208	240	480	550	600	220	380	416		
24Vdc	6	5	3	3	3	3	3	3	3	3	15	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	10	G
	12	7	5	4	3	3	3	5	4	4	15	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	20	G
	16	9	5	5	4	4	4	6	4	4	15	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	25	G
	20	11	6	6	4	4	4	6	5	4	15	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	30	G
	25	13	7	7	4	4	4	7	5	5	20	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	40	G
	30	15	9	8	5	5	4	9	6	5	20	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	50	G
	40	20	12	10	6	6	5	11	7	7	25	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	60	G
	50	25	15	13	7	6	5	14	9	8	40	20	20	15	15	15	20	15	15	D	D	D	E	C	C	D	E	E	80	H
	75	39	21	18	10	9	9	22	13	12	50	30	30	15	15	15	30	20	20	F	F	F	B	C	C	F	B	B	125	H
100	53	31	27	14	12	11	30	18	16	70	40	40	20	20	20	40	25	25	F	F	F	B	C	C	F	B	B	150	J	
48Vdc	6	9	6	5	4	5	5	6	4	4	15	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	10	G
	12	16	10	8	5	5	5	10	6	6	20	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	20	G
	16	20	12	10	6	6	6	12	8	7	25	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	25	G
	20	23	14	12	7	7	7	13	9	9	30	20	20	15	15	15	20	15	15	A	A	A	B	C	C	A	B	B	30	G
	25	27	16	14	8	8	7	15	10	9	40	20	20	15	15	15	20	15	15	A	A	A	B	C	C	A	B	B	40	G
	30	27	16	14	8	8	7	15	10	9	40	20	20	15	15	15	20	15	15	A	A	A	B	C	C	A	B	B	50	G
	40	36	21	18	10	9	8	20	12	11	50	30	30	15	15	15	30	15	15	A	A	A	B	C	C	A	B	B	60	G
	50	45	26	23	12	11	10	25	15	14	60	35	35	15	15	15	35	20	20	D	D	D	E	C	C	D	E	E	80	H
	75	66	38	36	17	15	14	37	22	20	90	50	50	25	20	20	50	30	30	F	F	F	B	C	C	F	B	B	125	H
100	91	54	47	24	21	19	52	30	28	125	70	70	30	30	30	70	40	40	D	F	F	B	C	C	F	B	B	150	J	
130Vdc	6	14	8	7	5	6	6	8	6	5	20	15	15	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	10	G
	12	33	20	17	10	9	8	20	12	11	50	25	25	15	15	15	25	15	15	A	A	A	B	C	C	A	B	B	20	G
	16	39	23	20	11	10	10	23	14	13	50	30	30	15	15	15	30	20	20	A	A	A	B	C	C	A	B	B	25	G
	20	45	27	23	12	11	10	27	15	15	63	40	40	15	15	15	40	20	20	A	A	A	B	C	C	A	B	B	30	G
	25	50	32	28	14	13	12	32	17	17	63	40	40	20	20	20	40	25	25	A	A	A	B	C	C	A	B	B	40	G
	30	62	36	31	16	16	15	35	21	19	80	50	50	20	20	20	50	30	30	D	A	A	B	C	C	A	B	B	50	G
	40	86	47	41	21	18	17	44	26	24	110	60	60	30	25	25	60	35	35	D	F	F	B	C	C	F	B	B	60	G
	50		58	51	26	22	21	52	32	30		80	80	35	30	30	70	40	40		F	F	B	C	C	F	B	B	80	G
	75		89	78	39	34	31	84	50	45		125	125	50	50	50	125	70	70		D	D	B	C	C	D	B	B	125	H
260Vdc	6	28	18	15	9	9	8	19	12	11	40	25	25	15	15	15	25	15	15	A	A	A	B	C	C	A	B	B	10	G
	12	63	36	32	17	16	14	33	20	19	80	50	50	25	20	20	50	25	25	D	A	A	B	C	C	A	B	B	20	G

	A	B	C	D	E	F
Standard	14 kAIC	10 kAIC	n/a	n/a	n/a	5 kAIC
Medium	25 kAIC	18 kAIC	14 kAIC	25 kAIC	18 kAIC	25 kAIC
High	65 kAIC	35 kAIC	18 kAIC	65 kAIC	35 kAIC	65 kAIC
Ultimate	100 kAIC	65 kAIC	25 kAIC	100 kAIC	65 kAIC	100 kAIC

	G	H	J
Standard	5 kAIC	n/a	n/a
Medium	10 kAIC	10 kAIC	n/a
High	20 kAIC	20 kAIC	20 kAIC
Ultimate	50 kAIC	50 kAIC	n/a

Using the DC output ratings and AC input voltage of your particular charger, simply follow the columns to find the proper maximum AC input current, AC input breaker amperage rating, AC input breaker AIC rating, DC output breaker ampere rating and DC output breaker AIC rating.

For example: If you have a 130V, 25A charger with 240Vac input you will have the following values:

Maximum AC Input Current = 28A	AC Input Breaker Amperage Rating = 40A	AC Input Breaker AIC Rating = A *	DC Output Breaker Ampere Rating = 40A	DC Output Breaker AIC Rating = G*
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*For AIC Ratings use the reference key to find Standard, Medium, High and Ultimate values. For example, Item A – Standard: 14kAIC / Medium: 25kAIC / High: 65kAIC / Ultimate: 100kAIC

Table values subject to change upon engineering evaluation

AIC 'Amps Interrupting Capacity'

ATevo Three Phase Input Current and Circuit Breaker Table



DC Output Ratings		Maximum AC Input Current								AC Circuit Breaker Ampere Rating								AC Circuit Breaker AIC Rating							DC Circuit Breaker Rating	DC Circuit Breaker Rating	
Voltage	Rating	208	240	480	550	600	220	380	416	208	240	480	550	600	220	380	416	208	240	480	550	600	220	380	416		
24Vdc	50	9	8	6	6	5	8	6	6	15	15	15	15	15	15	15	15	A	A	B	C	C	A	B	B	80	J
	75	12	11	7	7	7	11	8	8	15	15	15	15	15	15	15	15	A	A	B	C	C	A	B	B	125	K
	100	16	14	9	8	8	15	10	10	20	20	15	15	15	20	15	15	A	A	B	C	C	A	B	B	150	L
	125	19	17	10	9	9	18	12	11	25	25	15	15	15	25	15	15	A	A	B	C	C	A	B	B	175	L
	150	23	20	12	11	10	22	14	13	30	30	15	15	15	30	20	20	A	A	B	C	C	A	B	B	225	L
	200	30	26	15	13	13	28	18	15	40	40	20	20	20	40	25	25	A	A	B	C	C	A	B	B	300	L
	250	37	32	18	16	15	35	22	20	50	50	25	20	20	50	30	30	A	A	B	C	C	A	B	B	350	L
	300	40	35	19	17	16	38	23	22	50	50	25	25	25	50	30	30	A	A	B	C	C	A	B	B	450	L
	400	59	51	27		24	59	34	32	80	80	40		35	80	45	45	A	A	B	C	C	A	B	B	600	M
	500	72	63	32		29	72	42	38	90	90	45		40	90	60	60	A	A	B	C	C	A	B	B	700	M
	600	88	76	40		35	87	51	46	110	110	60		50	110	70	70	D	D	B	C	C	D	E	E	900	M
800	122	107	55		48	119	67	62	150	150	80		70	150	80	80	D	D	E	C	C	D	E	E	1200	M	
1000	152	133	68		60	148	84	77	200	200	100		80	200	110	110	D	D	E	C	C	D	E	E	1200	M	
48Vdc	50	15	14	9	8	8	15	10	10	20	20	15	15	15	20	15	15	A	A	B	C	C	A	B	B	80	J
	75	22	19	11	10	10	21	14	13	30	30	15	15	15	30	20	20	A	A	B	C	C	A	B	B	125	K
	100	28	24	14	13	12	27	17	16	40	40	20	20	20	40	25	25	A	A	B	C	C	A	B	B	150	L
	125	34	30	16	15	15	33	21	19	45	45	20	20	20	45	30	30	A	A	B	C	C	A	B	B	175	L
	150	34	30	16	15	14	33	20	19	45	45	20	20	20	45	25	25	A	A	B	C	C	A	B	B	225	L
	200	53	47	25	22	21	52	31	29	70	70	35	30	30	70	40	40	A	A	B	C	C	A	B	B	300	L
	250	66	58	31	27	25	63	35	32	90	90	40	35	35	90	45	45	A	A	B	C	C	A	B	B	350	L
	300	79	69	36	32	30	76	45	42	100	100	50	40	40	100	60	60	A	A	B	C	C	A	B	B	450	L
	400	100	88	44		39	96	56	51	125	125	60		60	125	70	70	D	D	B	C	C	D	E	E	600	M
	500	128	110	55		48	120	70	64	150	150	70		70	150	90	90	D	D	E	C	C	D	E	E	700	M
	600	157	135	69		60	149	85	79	200	200	100		90	200	110	110	D	D	E	C	C	D	E	E	900	M
800	209	181	91		79	198	113	106	250	250	125		110	250	150	150	D	D	E	C	C	D	E	E	1200	M	
1000	261	225	113		99	248	143	132	350	350	150		150	350	200	200	F	F	E	C	C	F	E	E	1200	M	
130Vdc	25	19	17	10	9	9	19	12	12	25	25	15	15	15	25	15	15	A	A	B	C	C	A	B	B	40	J
	30	22	19	11	11	10	22	14	13	30	30	15	15	15	30	20	20	A	A	B	C	C	A	B	B	50	J
	40	28	25	14	13	12	28	17	16	35	35	20	20	20	40	25	25	A	A	B	C	C	A	B	B	60	J
	50	35	31	17	15	14	34	21	20	50	50	25	20	20	50	30	30	A	A	B	C	C	A	B	B	80	J
	75	50	44	23	21	20	48	29	27	70	70	30	30	30	70	40	40	A	A	B	C	C	A	B	B	125	K
	100	65	57	30	27	25	63	38	35	90	90	40	35	35	90	50	50	A	A	B	C	C	A	B	B	150	L
	125	81	71	37	30	31	78	47	43	110	110	50	40	40	110	60	60	D	D	B	C	C	D	B	B	175	L
	150	97	85	44	39	39	93	56	51	125	125	60	50	50	125	70	70	D	D	B	C	C	D	E	E	225	L
	200	134	114	58	51	46	123	73	67	175	175	80	70	70	175	100	100	D	D	E	C	C	D	E	E	300	L
	250	158	137	68		59	150	79	72	200	200	90		80	200	100	100	D	D	E	C	C	D	E	E	350	L
	300	180	160	80		72	170	93	85	225	225	110		100	225	125	125	D	D	E	C	C	D	E	E	450	L
400	255	220	110		96	235	127	116	350	350	150		150	350	175	175	F	F	E	C	C	F	E	E	600	M	
500	320	280	140		120	300	160	148	400	400	200		150	400	200	200	F	F	E	C	C	F	E	E	700	M	
600	378	331	169		145	354	200	180	500	500	225		200	500	250	250			E	C	C		E	E	900	M	
800	503	439	224		194	473	266	241	650	650	300		250	650	350	350			G				H	H	1200	M	

	A	B	C	D	E	F	G	H
Standard	5 kAIC	10 kAIC	n/a	n/a	n/a	n/a	n/a	n/a
Medium	25 kAIC	18 kAIC	14 kAIC	25 kAIC	18 kAIC	42 kAIC	30 kAIC	30 kAIC
High	65 kAIC	35 kAIC	18 kAIC	65 kAIC	35 kAIC	65 kAIC	35 kAIC	35 kAIC
Ultimate	100 kAIC	65 kAIC	25 kAIC	100 kAIC	65 kAIC	n/a	65 kAIC	n/a

	J	K	L	M
Standard	5 kAIC	n/a	n/a	n/a
Medium	10 kAIC	10 kAIC	n/a	n/a
High	20 kAIC	20 kAIC	20 kAIC	20 kAIC
Ultimate	50 kAIC	50 kAIC	n/a	50 kAIC

Table values subject to change upon engineering evaluation
AIC 'Amps Interrupting Capacity'