

ATevo Single Phase Input Current and Circuit Breaker Table

JF5072-01

DC Output Ratings		Maximum AC Input Current									AC Circuit Breaker Ampere Rating									AC Circuit Breaker AIC Rating									DC Circuit Breaker Rating	DC Breaker AIC Rating
Voltage	Amperes	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	10/15	J
	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	J
	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	J
	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	32/30	J
	25	13	7	7	4	4	4	7	5	5	20	20	20	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	40	J
	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	J
	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	63/60	J
	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	K
	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	K
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	L	
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	10/15	J
	12	16	10	8	5	5	5	10	6	6	20	20	20	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	20	J
	16	20	12	10	6	6	6	12	8	7	25	25	25	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	25	J
	20	23	14	12	7	7	7	13	9	8	30	30	30	15	15	15	20	15	15	A	A	A	B	C	C	A	B	B	32/30	J
	25	27	16	14	8	8	7	15	10	9	40	40	40	15	15	15	20	15	15	A	A	A	B	C	C	A	B	B	40	J
	30	27	16	14	8	8	8	15	10	9	40	20	20	15	15	15	20	15	15	A	A	A	B	C	C	A	B	B	50	J
	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	63/60	J
	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	K
	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	K
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	L	
130Vdc	6	14	8	7	5	6	6	8	6	5	20	20	20	15	15	15	15	15	15	A	A	A	B	C	C	A	B	B	10/15	J
	12	33	20	17	10	9	8	20	12	11	50	50	50	15	15	15	25	15	15	A	A	A	B	C	C	A	B	B	20	J
	16	39	23	20	11	10	10	23	14	13	50	50	50	15	15	15	30	20	20	A	A	A	B	C	C	A	B	B	25	J
	20	45	27	23	12	11	10	27	15	15	63	63	63	15	15	15	40	20	20	A	A	A	B	C	C	A	B	B	32/30	J
	25	50	32	28	14	13	12	32	17	17	63	63	63	20	20	20	40	25	25	A	A	A	B	C	C	A	B	B	40	J
	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	J
	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	J
	50		58	51	26	22	21	52	32	30		80	80	35	30	30	80	40	40		F	F	B	C	C	F	B	B	80	J
	75		89	78	39	34	31	84	50	45		125	125	50	50	50	125	70	70		D	D	B	C	C	D	E	E	125	K
260Vdc	6	31	19	17	9		19	12	11	40	40	40	15		25	15	15		G	G	G	H			G	H	H	10	M	
	12		36	32	17		33	20	19		50	50	25		50	25	25			G	G	H			G	H	H	20	M	
	16	84	48	42	24	20	18	46	28	26	125	60	60	30	30	30	60	40	40	D	F	F	B	C	C	F	B	B	25	M
	25		80	75	30	27	25	69	41	38		100	100	40	40	40	100	60	60		F	F	B	C	C	F	B	B	40	M

MT1= Multi tappable transformer

AC BREAKER AIC REFERENCE KEY								
	A	B	C	D	E	F	G	H
Standard	14 kAIC	10 kAIC	n/a	n/a	n/a	5 kAIC	14 kAIC	10 kAIC
Medium	25 kAIC	18 kAIC	14 kAIC	25 kAIC	18 kAIC	25 kAIC	n/a	n/a
High	65 kAIC	35 kAIC	18 kAIC	65 kAIC	35 kAIC	65 kAIC	n/a	n/a
Ultimate	100 kAIC	65 kAIC	25 kAIC	100 kAIC	65 kAIC	100 kAIC	n/a	n/a

DC BREAKER AIC REFERENCE KEY			
J	K	L	M
5 kAIC	n/a	n/a	5 kAIC
10 kAIC	10 kAIC	n/a	n/a
20 kAIC	20 kAIC	20 kAIC	n/a
50 kAIC	50 kAIC	n/a	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

Rev. 5 - 11/30/2023