

System Current Ratings – Single Phase

All circuit breakers provided by end user, that are connected to the inputs and outputs need to have a trip curve which is at least 10 times the rated current for .3 seconds, this is to prevent the breakers from tripping during startup of the unit or the loads, attached to the units. Some manufacturers refer to these breakers as “High Inrush” breakers.

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps	KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
4.7	120	68.6	120	39.2	5.25	120	76.6	120	43.8
			277	17				277	19
			480	9.8				480	10.9
			120/240	39.2/19.6				120/240	43.8/21.9
			120/277	39.2/17				120/277	43.8/19
	208	39.6	120	39.2		208	44.2	120	43.8
			277	17				277	19
			480	9.8				480	10.9
			120/240	39.2/19.6				120/240	43.8/21.9
			120/277	39.2/17				120/277	43.8/19
	240	34.3	120	39.2		240	38.3	120	43.8
			277	17				277	19
			480	9.8				480	10.9
			120/240	39.2/19.6				120/240	43.8/21.9
			120/277	39.2/17				120/277	43.8/19
	277	29.7	120	39.2		277	33.2	120	43.8
			277	17				277	19
			480	9.8				480	10.9
			120/240	39.2/19.6				120/240	43.8/21.9
			120/277	39.2/17				120/277	43.8/19
	480	17.1	120	39.2		480	19.1	120	43.8
			277	17				277	19
			480	9.8				480	10.9
			120/240	39.2/19.6				120/240	43.8/21.9
			120/277	39.2/17				120/277	43.8/19

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
7.0	120	102	120	58.3
			277	25.3
			480	14.6
			120/240	58.3/29.2
			120/277	58.3/25.3
	208	58.9	120	58.3
			277	25.3
			480	14.6
			120/240	58.3/29.2
			120/277	58.3/25.3
	240	51	120	58.3
			277	25.3
			480	14.6
			120/240	58.3/29.2
			120/277	58.3/25.3
	277	44.2	120	58.3
			277	25.3
			480	14.6
			120/240	58.3/29.2
			120/277	58.3/25.3
	480	25.5	120	58.3
			277	25.3
			480	14.6
			120/240	58.3/29.2
			120/277	58.3/25.3
8.0	120	116.7	120	66.7
			277	28.9
			480	16.7
			120/240	66.7/33.3
			120/277	66.7/28.9
	208	67.3	120	66.7
			277	28.9
			480	16.7
			120/240	66.7/33.3
			120/277	66.7/28.9
	240	58.3	120	66.7
			277	28.9
			480	16.7
			120/240	66.7/33.3
			120/277	66.7/28.9
	277	50.5	120	66.7
			277	28.9
			480	16.7
			120/240	66.7/33.3
			120/277	66.7/28.9
	480	29.2	120	66.7
			277	28.9
			480	16.7
			120/240	66.7/33.3
			120/277	66.7/28.9

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
10.0	120	145.8	120	83.3
			277	36.1
			480	20.8
			120/240	83.3/41.7
			120/277	83.3/36.1
	208	84.1	120	83.3
			277	36.1
			480	20.8
			120/240	83.3/41.7
			120/277	83.3/36.1
	240	72.9	120	83.3
			277	36.1
			480	20.8
			120/240	83.3/41.7
			120/277	83.3/36.1
	277	63.2	120	83.3
			277	36.1
			480	20.8
			120/240	83.3/41.7
			120/277	83.3/36.1
	480	36.5	120	83.3
			277	36.1
			480	20.8
			120/240	83.3/41.7
			120/277	83.3/36.1
12.0	120	175	120	100
			277	43.3
			480	25
			120/240	100/50
			120/277	100/43.3
	208	101	120	100
			277	43.3
			480	25
			120/240	100/50
			120/277	100/43.3
	240	87.5	120	100
			277	43.3
			480	25
			120/240	100/50
			120/277	100/43.3
	277	75.8	120	100
			277	43.3
			480	25
			120/240	100/50
			120/277	100/43.3
	480	43.8	120	100
			277	43.3
			480	25
			120/240	100/50
			120/277	100/43.3

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
14.0	120	204.2	120	116.7
			277	50.5
			480	29.2
			120/240	116.7/58.3
			120/277	116.7/50.5
	208	117.8	120	116.7
			277	50.5
			480	29.2
			120/240	116.7/58.3
			120/277	116.7/50.5
	240	102.1	120	116.7
			277	50.5
			480	29.2
			120/240	116.7/58.3
			120/277	116.7/50.5
	277	88.4	120	116.7
			277	50.5
			480	29.2
			120/240	116.7/58.3
			120/277	116.7/50.5
	480	51	120	116.7
			277	50.5
			480	29.2
			120/240	116.7/58.3
			120/277	116.7/50.5
18.0	120	262.5	120	150
			277	65
			480	37.5
			120/240	150/75
			120/277	150/65
	208	151.4	120	150
			277	65
			480	37.5
			120/240	150/75
			120/277	150/65
	240	131.3	120	150
			277	65
			480	37.5
			120/240	150/75
			120/277	150/65
	277	113.7	120	150
			277	65
			480	37.5
			120/240	150/75
			120/277	150/65
	480	65.6	120	150
			277	65
			480	37.5
			120/240	150/75
			120/277	150/65

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
21.0	120	306.3	120	175
			277	75.8
			480	43.8
			120/240	175/87.5
			120/277	175/75.8
	208	176.7	120	175
			277	75.8
			480	43.8
			120/240	175/87.5
			120/277	175/75.8
	240	153.1	120	175
			277	75.8
			480	43.8
			120/240	175/87.5
			120/277	175/75.8
	277	132.7	120	175
			277	75.8
			480	43.8
			120/240	175/87.5
			120/277	175/75.8
	480	76.6	120	175
			277	75.8
			480	43.8
			120/240	175/87.5
			120/277	175/75.8