

Sierra 1 Series

System Current Ratings

Overview

All circuit breakers provided by the 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
0.35	120	5	120	2.9
			277	1.3
			480	0.7
			120/240	2.9/1.5
			120/277	2.9/1.3
	208	3	120	2.9
			277	1.3
			480	0.7
			120/240	2.9/1.5
			120/277	2.9/1.3
	240	2.6	120	2.9
			277	1.3
			480	0.7
			120/240	2.9/1.5
			120/277	2.9/1.3
	277	2.2	120	2.9
			277	1.3
			480	0.7
			120/240	2.9/1.5
			120/277	2.9/1.3
480	1.3	120	2.9	
		277	1.3	
		480	0.7	
		120/240	2.9/1.5	
		120/277	2.9/1.3	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
0.525	120	7.7	120	4.4
			277	1.9
			480	1.1
			120/240	4.4/2.2
			120/277	4.4/1.9
	208	4.4	120	4.4
			277	1.9
			480	1.1
			120/240	4.4/2.2
			120/277	4.4/1.9
	240	3.8	120	4.4
			277	1.9
			480	1.1
			120/240	4.4/2.2
			120/277	4.4/1.9
	277	3.3	120	4.4
			277	1.9
			480	1.1
			120/240	4.4/2.2
			120/277	4.4/1.9
480	1.9	120	4.4	
		277	1.9	
		480	1.1	
		120/240	4.4/2.2	
		120/277	4.4/1.9	

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KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
0.7	120	10.2	120	5.8
			277	2.5
			480	1.5
			120/240	5.8/2.9
			120/277	5.8/2.5
	208	5.9	120	5.8
			277	2.5
			480	1.5
			120/240	5.8/2.9
			120/277	5.8/2.5
	240	5.1	120	5.8
			277	2.5
			480	1.5
			120/240	5.8/2.9
			120/277	5.8/2.5
	277	4.4	120	5.8
			277	2.5
			480	1.5
			120/240	5.8/2.9
			120/277	5.8/2.5
480	2.6	120	5.8	
		277	2.5	
		480	1.5	
		120/240	5.8/2.9	
		120/277	5.8/2.5	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
0.875	120	12.8	120	7.3
			277	3.2
			480	1.8
			120/240	7.3/3.6
			120/277	7.3/3.2
	208	7.4	120	7.3
			277	3.2
			480	1.8
			120/240	7.3/3.6
			120/277	7.3/3.2
	240	6.4	120	7.3
			277	3.2
			480	1.8
			120/240	7.3/3.6
			120/277	7.3/3.2
	277	5.5	120	7.3
			277	3.2
			480	1.8
			120/240	7.3/3.6
			120/277	7.3/3.2
480	3.2	120	7.3	
		277	3.2	
		480	1.8	
		120/240	7.3/3.6	
		120/277	7.3/3.2	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
1.05	120	15.3	120	8.75
			277	3.8
			480	2.2
			120/240	8.75/4.4
			120/277	8.75/3.8
	208	8.8	120	8.75
			277	3.8
			480	2.2
			120/240	8.75/4.4
			120/277	8.75/3.8
	240	7.7	120	8.75
			277	3.8
			480	2.2
			120/240	8.75/4.4
			120/277	8.75/3.8
	277	6.6	120	8.75
			277	3.8
			480	2.2
			120/240	8.75/4.4
			120/277	8.75/3.8
480	3.8	120	8.75	
		277	3.8	
		480	2.2	
		120/240	8.75/4.4	
		120/277	8.75/3.8	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
1.4	120	20.4	120	11.7
			277	5.1
			480	2.9
			120/240	11.7/5.8
			120/277	11.7/5.1
	208	11.8	120	11.7
			277	5.1
			480	2.9
			120/240	11.7/5.8
			120/277	11.7/5.1
	240	10.2	120	11.7
			277	5.1
			480	2.9
			120/240	11.7/5.8
			120/277	11.7/5.1
	277	8.8	120	11.7
			277	5.1
			480	2.9
			120/240	11.7/5.8
			120/277	11.7/5.1
480	5.1	120	11.7	
		277	5.1	
		480	2.9	
		120/240	11.7/5.8	
		120/277	11.7/5.1	

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KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
2.0	120	29.2	120	16.7
			277	7.2
			480	4.2
			120/240	16.7/8.3
			120/277	16.7/7.2
	208	16.8	120	16.7
			277	7.2
			480	4.2
			120/240	16.7/8.3
			120/277	16.7/7.2
	240	14.6	120	16.7
			277	7.2
			480	4.2
			120/240	16.7/8.3
			120/277	16.7/7.2
	277	12.7	120	16.7
			277	7.2
			480	4.2
			120/240	16.7/8.3
			120/277	16.7/7.2
480	7.3	120	16.7	
		277	7.2	
		480	4.2	
		120/240	16.7/8.3	
		120/277	16.7/7.2	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
2.4	120	35	120	20
			277	8.7
			480	5
			120/240	20/10
			120/277	20/8.7
	208	20.2	120	20
			277	8.7
			480	5
			120/240	20/10
			120/277	20/8.7
	240	17.5	120	20
			277	8.7
			480	5
			120/240	20/10
			120/277	20/8.7
	277	15.2	120	20
			277	8.7
			480	5
			120/240	20/10
			120/277	20/8.7
480	8.8	120	20	
		277	8.7	
		480	5	
		120/240	20/10	
		120/277	20/8.7	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
2.6	120	37.9	120	21.7
			277	9.4
			480	5.4
			120/240	21.7/10.8
			120/277	21.7/9.4
	208	21.8	120	21.7
			277	9.4
			480	5.4
			120/240	21.7/10.8
			120/277	21.7/9.4
	240	19	120	21.7
			277	9.4
			480	5.4
			120/240	21.7/10.8
			120/277	21.7/9.4
	277	16.4	120	21.7
			277	9.4
			480	5.4
			120/240	21.7/10.8
			120/277	21.7/9.4
480	9.5	120	21.7	
		277	9.4	
		480	5.4	
		120/240	21.7/10.8	
		120/277	21.7/9.4	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
3.0	120	43.8	120	25
			277	10.8
			480	6.3
			120/240	25/12.5
			120/277	25/10.8
	208	25.2	120	25
			277	10.8
			480	6.3
			120/240	25/12.5
			120/277	25/10.8
	240	21.9	120	25
			277	10.8
			480	6.3
			120/240	25/12.5
			120/277	25/10.8
	277	19	120	25
			277	10.8
			480	6.3
			120/240	25/12.5
			120/277	25/10.8
480	10.9	120	25	
		277	10.8	
		480	6.3	
		120/240	25/12.5	
		120/277	25/10.8	