

Sonoran 3 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
3.0	208Y/120	14.6	208Y/120	8.3
			480Y/277	3.6
	480Y/277	6.3	208Y/120	8.3
			480Y/277	3.6
	208	14.6	208Y/120	8.3
			480Y/277	3.6
480	6.3	208Y/120	8.3	
		480Y/277	3.6	

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
4.5	208Y/120	21.9	208Y/120	12.5
			480Y/277	5.4
	480Y/277	9.5	208Y/120	12.5
			480Y/277	5.4
	208	21.9	208Y/120	12.5
			480Y/277	5.4
480	9.5	208Y/120	12.5	
		480Y/277	5.4	

6.0	208Y/120	29.2	208Y/120	16.7
			480Y/277	7.2
	480Y/277	12.6	208Y/120	16.7
			480Y/277	7.2
	208	29.2	208Y/120	16.7
			480Y/277	7.2
480	12.6	208Y/120	16.7	
		480Y/277	7.2	

8.0	208Y/120	39	208Y/120	22.2
			480Y/277	9.6
	480Y/277	16.9	208Y/120	22.2
			480Y/277	9.6
	208	39	208Y/120	22.2
			480Y/277	9.6
480	16.9	208Y/120	22.2	
		480Y/277	9.6	

10.0	208Y/120	48.6	208Y/120	27.8
			480Y/277	12
	480Y/277	21	208Y/120	27.8
			480Y/277	12
	208	48.6	208Y/120	27.8
			480Y/277	12
480	21	208Y/120	27.8	
		480Y/277	12	

12.0	208Y/120	58.4	208Y/120	33.3
			480Y/277	14.5
	480Y/277	25.3	208Y/120	33.3
			480Y/277	14.5
	208	58.4	208Y/120	33.3
			480Y/277	14.5
480	25.3	208Y/120	33.3	
		480Y/277	14.5	

16.0	208Y/120	77.8	208Y/120	44.5
			480Y/277	19.3
	480Y/277	33.7	208Y/120	44.5
			480Y/277	19.3
	208	77.8	208Y/120	44.5
			480Y/277	19.3
480	33.4	208Y/120	44.5	
		480Y/277	19.3	

20.0	208Y/120	97.3	208Y/120	55.6
			480Y/277	24.1
	480Y/277	42.1	208Y/120	55.6
			480Y/277	24.1
	208	97.3	208Y/120	55.6
			480Y/277	24.1
480	42.1	208Y/120	55.6	
		480Y/277	24.1	

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KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
24.0	208Y/120	116.7	208Y/120	66.7
			480Y/277	28.9
	480Y/277	50.6	208Y/120	66.7
			480Y/277	28.9
	208	116.7	208Y/120	66.7
			480Y/277	28.9
	480	50.6	208Y/120	66.7
			480Y/277	28.9

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
30.0	208Y/120	145.9	208Y/120	83.4
			480Y/277	36.1
	480Y/277	63.2	208Y/120	83.4
			480Y/277	36.1
	208	145.9	208Y/120	83.4
			480Y/277	36.1
	480	63.2	208Y/120	83.4
			480Y/277	36.1

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
40.0	208Y/120	194.5	208Y/120	111.2
			480Y/277	48.2
	480Y/277	84.3	208Y/120	111.2
			480Y/277	48.2
	208	194.5	208Y/120	111.2
			480Y/277	48.2
	480	84.3	208Y/120	111.2
			480Y/277	48.2

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
60.0	208Y/120	291.8	208Y/120	166.7
			480Y/277	72.3
	480Y/277	126.4	208Y/120	166.7
			480Y/277	72.3
	208	291.8	208Y/120	166.7
			480Y/277	72.3
	480	126.4	208Y/120	166.7
			480Y/277	72.3

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
80.0	208Y/120	389.1	208Y/120	222.3
			480Y/277	96.3
	480Y/277	168.6	208Y/120	222.3
			480Y/277	96.3
	208	389.1	208Y/120	222.3
			480Y/277	96.3
	480	168.6	208Y/120	222.3
			480Y/277	96.3

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
100.0	208Y/120	486.3	208Y/120	277.9
			480Y/277	120.4
	480Y/277	210.7	208Y/120	277.9
			480Y/277	120.4
	208	486.3	208Y/120	277.9
			480Y/277	120.4
	480	210.7	208Y/120	277.9
			480Y/277	120.4

KW	Input Voltage	Utility Feed Amps	Output Voltage	Max Output Amps
125.0	208Y/120	607.9	208Y/120	347.4
			480Y/277	150.5
	480Y/277	263.4	208Y/120	347.4
			480Y/277	150.5
	208	607.9	208Y/120	347.4
			480Y/277	150.5
	480	263.4	208Y/120	347.4
			480Y/277	150.5