









Current Rating of Rectangular Aluminum Bus Bar Arrangements

Amperes for 6101-T61 Alloy 57% IACS Conductivity

Sizes (Inches)	1 Bar 		2 Bars 		3 Bars 		4 Bars 	
	DC	60 HZ AC	DC	60 HZ AC	DC	60 HZ AC	DC	60 HZ AC
1/4 x 1	308	308	607	601	605	887	1203	1168
1 1/2	430	429	833	817	1235	1194	1637	1561
2	549	545	1051	1021	1552	1480	2053	1915
3	780	768	1472	1410	2162	2000	2851	2530
4	1005	980	1878	1760	2749	2462	3619	3081
5	1225	1184	2275	2092	3321	2905	4365	3625
6	1443	1381	2665	2413	3881	3338	5095	4146
7	1870	1760	3427	3034	4974	4183	6517	5152
3/8 x 2	691	678	1340	1278	1989	1831	2638	2332
3	974	941	1857	1709	2739	2384	3620	2946
4	1249	1191	2356	2099	3460	2893	4563	3574
5	1519	1429	2842	2483	4162	3387	5479	4178
6	1785	1657	3320	2847	4848	3857	6375	4765
8	2308	2098	4253	3569	6188	4774	8119	5875
10	2822	2534	5165	4289	7493	5632	9817	6941
1/2 x 3	1145	1074	2205	1991	3265	2742	4324	3297
4	1462	1369	2782	2416	4100	3264	5417	3940
5	1774	1634	3345	2828	4912	3778	6477	4580
6	2081	1892	3897	3230	5706	4284	7514	5210
8	2685	2393	4975	4014	7255	5276	9531	6246
10	3278	2880	6209	4779	8763	6256	1149	7579
Sizes (Inches)	1 Bar 		2 Bars 		3 Bars 		4 Bars 	
	DC	60 HZ AC	DC	60 HZ AC	DC	60 HZ AC	DC	60 HZ AC
1/4 x 1	300	300	585	580	775	765	905	880
1 1/2	420	415	800	785	1060	1020	1240	1180
2	535	530	1010	980	1340	1280	1560	1460
3	750	735	1380	1310	1850	1700	2180	1940
4	955	930	1720	1600	2300	2050	2740	2330
5	1160	1120	2000	1830	2670	2330	3160	2610
6	1320	1270	2220	2010	2970	2540	3440	2800
8	1620	1520	2640	2320	3410	2840	3900	3080
3/8 x 2	670	660	1230	1170	1620	1490	1920	1700
3	935	905	1680	1550	2250	1960	2730	2220
4	1190	1130	2080	1860	2800	2340	3360	2630
5	1420	1340	2420	2110	3250	2650	3850	2940
6	1630	1520	2710	2330	3680	2940	4280	3200
8	2000	1820	3240	2700	4210	3270	4820	3490
1/2 x 3	1100	1050	1870	1650	2560	2080	3070	2340
4	1390	1300	2290	1960	3150	2470	3800	2750
5	1650	1520	2680	2240	3630	2780	4370	3090
6	1890	1710	3050	2490	4060	3050	4800	3330
8	2310	2050	3640	2900	4790	3490	5510	3720

Notes:

1. Ratings based on 30°C rise over 40°C ambient in still but confined air (e=0.35), corresponding to usual indoor temperature. Vertical bar ampacity based on work by House and Tuttle. Horizontal bar ampacity from industry sources.
2. Space between bars is assumed equal bar thickness.
3. For ac phase spacings less than 18 inches an allowance for proximity effect must be made.
4. Ratings are based on horizontal mounting, in air with no attachments. For dc ratings of other alloys, multiply by: For 6101-T61, 0.982; 6101-T63, 0.992; 6101-T64, 1.02; 6101-T65, 0.996. For 60Hz, the use of these multipliers is conservative.