





























AWG Battery Cable Minimum Sizing chart for <5% power loss

Round trip cable length	Maximum Continuous Power			
	600Watts	1200Watts	3000Watts	5000Watts
12V systems				
40 – 60Ft	 2AWG	 1/0	 300MCM	 500MCM
20 – 40Ft	 4AWG	 1AWG	 4/0	 400MCM
0 – 20Ft	 6AWG	 4AWG	 2/0	 300MCM
24V Systems				
40 – 60Ft	 8AWG	 4AWG	 2AWG	 1/0
20 – 40Ft	 10AWG	 6AWG	 2AWG	 1/0
0 – 20Ft	 12AWG	 8AWG	 2AWG	 1/0
48V systems				
0 – 60Ft	 14AWG	 10AWG	 6AWG	 2AWG

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Red numbers will have less than 5% loss, but can not be smaller due to a 75C safety limit for the wiring insulation.