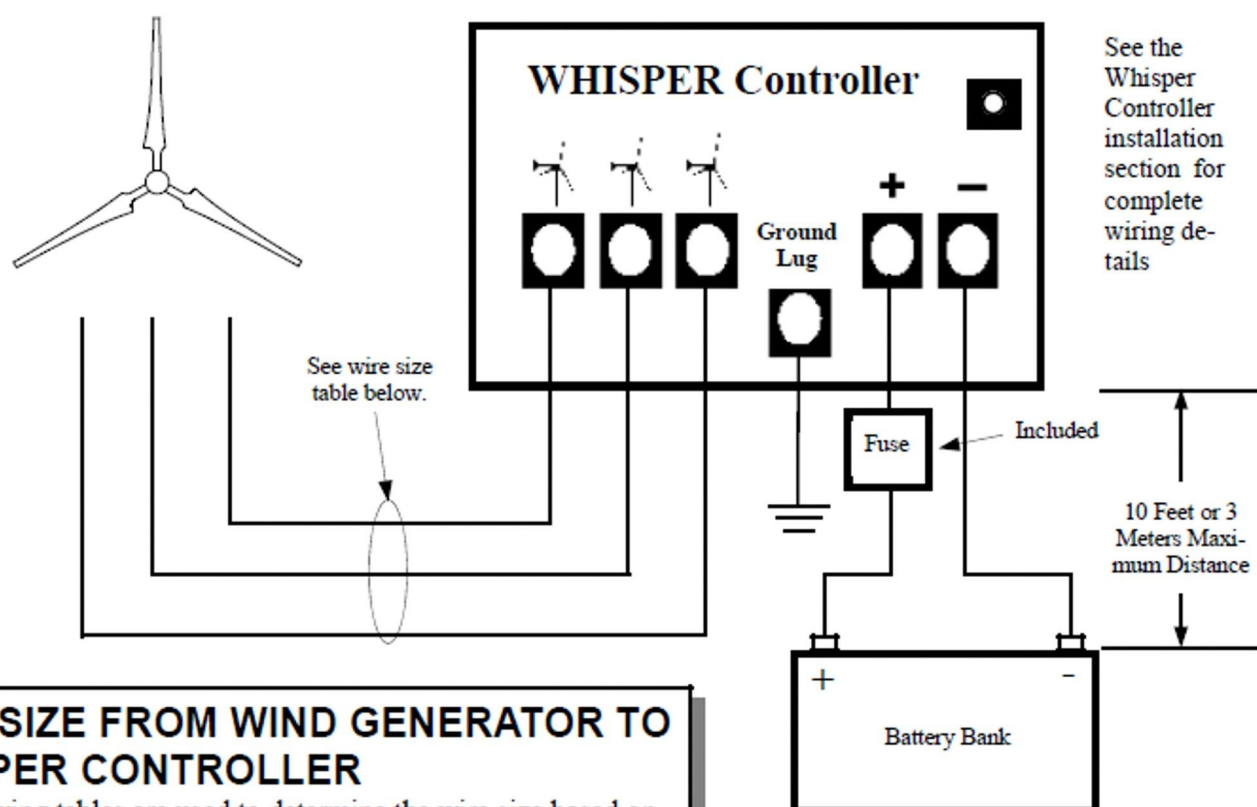


Typical Renewable Energy System Wiring

You will need to make the electrical connections as shown below.



WIRE SIZE FROM WIND GENERATOR TO WHISPER CONTROLLER

The following tables are used to determine the wire size based on your system voltage and the distance required to connect your Whisper 200 to the WHISPER Controller. Distances are one way distances from the turbine connection to Whisper Controller terminals.

VOLTS COPPER WIRE SIZE	12	24	30-36	48	60-72	120	240
	FEET						All HVLV
AWG 14	xx	xx	xx	108	217	678	2710
12	xx	xx	87	173	346	1082	4327
10	xx	69	138	276	551	1722	6888
8	xx	109	218	436	879	2730	10910
6	42	170	339	678	1357	4241	16960
4	68	271	542	1084	2169	6779	27110
3	85	341	682	1364	2727	8525	34090
2	108	430	860	1720	3439	10750	42990
1	137	549	1098	2195	4390	13723	
0	171	682	1364	2727	5455	17050	
2/0	217	865	1731	3462	6923	12860	
3/0	273	1088	2177	4355	8710	27230	
4/0	345	1378	2755	5510	11020		
250	402	1607	3214	6429	12860		
300	482	1929	3857	7714	15430		
350	563	2250	4500	9000			
400	650	2596	5192	10390			
500	805	3214	6429				

VOLTS COPPER WIRE SIZE	12	24	32-36	48	64-72	120	240
	METERS						All HVLV
AWG 14	xx	xx	xx	33	66	207	826
12	xx	xx	27	53	105	330	1319
10	xx	21	42	84	168	525	2099
8	xx	33	66	133	268	831	3320
6	13	52	103	207	414	1293	5170
4	21	83	165	330	661	2066	8260
3	26	104	208	416	831	2598	10390
2	33	131	262	524	1048	3277	13100
1	41	167	335	669	1340	4183	
0	52	208	416	831	1663	5200	
2/0	66	264	528	1055	2110	6600	
3/0	83	332	664	1327	2655	8300	
4/0	105	420	840	1679	3360		
250	123	490	980	1960	3919		
300	147	588	1180	2351	4700		
350	172	686	1370	2740			
400	198	791	1580	3160			
500	245	980	1960				

Inch to Metric Conversion — AWG

AWG SIZE	14	12	10	8	6	4	3	2	1	0	2/0	3/0
Diam inches	0.064	0.081	0.102	0.129	0.162	0.204	0.229	0.258	0.289	0.325	0.365	0.409
Diam mm	1.628	2.057	2.591	3.277	4.115	5.182	5.817	6.553	7.341	8.255	9.271	10.389