

48v SYSTEM CABLE SIZING CHART (3 PHASE CABLE FROM TURBINE)

		CABLE LENGTH IN METERS																																						
		10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200
CABLE CROSS SECTION MM ²	1.5	3.7%	5.6%	7.5%	9.4%	11.2%	13.1%	15.0%	16.9%	18.7%	20.6%	22.5%	24.4%	26.2%	28.1%	30.0%	31.8%	33.7%	35.6%	37.5%	39.3%	41.2%	43.1%	45.0%	46.8%	48.7%	50.6%	52.5%	54.3%	56.2%	58.1%	59.9%	61.8%	63.7%	65.6%	67.4%	69.3%	71.2%	73.1%	74.9%
	2.5	2.2%	3.4%	4.5%	5.6%	6.7%	7.9%	9.0%	10.1%	11.2%	12.4%	13.5%	14.6%	15.7%	16.9%	18.0%	19.1%	20.2%	21.4%	22.5%	23.6%	24.7%	25.9%	27.0%	28.1%	29.2%	30.3%	31.5%	32.6%	33.7%	34.8%	36.0%	37.1%	38.2%	39.3%	40.5%	41.6%	42.7%	43.8%	45.0%
	4	1.4%	2.1%	2.8%	3.5%	4.2%	4.9%	5.6%	6.3%	7.0%	7.7%	8.4%	9.1%	9.8%	10.5%	11.2%	11.9%	12.6%	13.3%	14.0%	14.8%	15.5%	16.2%	16.9%	17.6%	18.3%	19.0%	19.7%	20.4%	21.1%	21.8%	22.5%	23.2%	23.9%	24.6%	25.3%	26.0%	26.7%	27.4%	28.1%
	6	0.9%	1.4%	1.9%	2.3%	2.8%	3.3%	3.7%	4.2%	4.7%	5.2%	5.6%	6.1%	6.6%	7.0%	7.5%	8.0%	8.4%	8.9%	9.4%	9.8%	10.3%	10.8%	11.2%	11.7%	12.2%	12.6%	13.1%	13.6%	14.0%	14.5%	15.0%	15.5%	15.9%	16.4%	16.9%	17.3%	17.8%	18.3%	18.7%
	10	0.6%	0.8%	1.1%	1.4%	1.7%	2.0%	2.2%	2.5%	2.8%	3.1%	3.4%	3.7%	3.9%	4.2%	4.5%	4.8%	5.1%	5.3%	5.6%	5.9%	6.2%	6.5%	6.7%	7.0%	7.3%	7.6%	7.9%	8.1%	8.4%	8.7%	9.0%	9.3%	9.6%	9.8%	10.1%	10.4%	10.7%	11.0%	11.2%
	16	0.4%	0.5%	0.7%	0.9%	1.1%	1.2%	1.4%	1.6%	1.8%	1.9%	2.1%	2.3%	2.5%	2.6%	2.8%	3.0%	3.2%	3.3%	3.5%	3.7%	3.9%	4.0%	4.2%	4.4%	4.6%	4.7%	4.9%	5.1%	5.3%	5.4%	5.6%	5.8%	6.0%	6.1%	6.3%	6.5%	6.7%	6.8%	7.0%
	25	0.2%	0.3%	0.4%	0.6%	0.7%	0.8%	0.9%	1.0%	1.1%	1.2%	1.3%	1.5%	1.6%	1.7%	1.8%	1.9%	2.0%	2.1%	2.2%	2.4%	2.5%	2.6%	2.7%	2.8%	2.9%	3.0%	3.1%	3.3%	3.4%	3.5%	3.6%	3.7%	3.8%	3.9%	4.0%	4.2%	4.3%	4.4%	4.5%
	35	0.2%	0.2%	0.3%	0.4%	0.5%	0.6%	0.6%	0.7%	0.8%	0.9%	1.0%	1.0%	1.1%	1.2%	1.3%	1.4%	1.4%	1.5%	1.6%	1.7%	1.8%	1.8%	1.9%	2.0%	2.1%	2.2%	2.2%	2.3%	2.4%	2.5%	2.6%	2.6%	2.7%	2.8%	2.9%	3.0%	3.1%	3.1%	3.2%
	50	0.1%	0.2%	0.2%	0.3%	0.3%	0.4%	0.4%	0.5%	0.6%	0.6%	0.7%	0.7%	0.8%	0.8%	0.9%	1.0%	1.0%	1.1%	1.1%	1.2%	1.2%	1.3%	1.3%	1.4%	1.5%	1.5%	1.6%	1.6%	1.7%	1.7%	1.8%	1.9%	1.9%	2.0%	2.0%	2.1%	2.1%	2.2%	2.2%

Charge Voltage DC 55 VDC
 Charge Current DC 18.18 amps
 Power 1000 watt
 I/L (Line current) 10.5 amps

24v SYSTEM CABLE SIZING CHART (3 PHASE CABLE FROM TURBINE)

		CABLE LENGTH IN METERS																																						
		10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200
CABLE CROSS SECTION MM ²	6	3.6%	5.4%	7.2%	9.0%	10.8%	12.6%	14.5%	16.3%	18.1%	19.9%	21.7%	23.5%	25.3%	27.1%	28.9%	30.7%	32.5%	34.3%	36.1%	37.9%	39.8%	41.6%	43.4%	45.2%	47.0%	48.8%	50.6%	52.4%	54.2%	56.0%	57.8%	59.6%	61.4%	63.2%	65.1%	66.9%	68.7%	70.5%	72.3%
	10	2.2%	3.3%	4.3%	5.4%	6.5%	7.6%	8.7%	9.8%	10.8%	11.9%	13.0%	14.1%	15.2%	16.3%	17.3%	18.4%	19.5%	20.6%	21.7%	22.8%	23.9%	24.9%	26.0%	27.1%	28.2%	29.3%	30.4%	31.4%	32.5%	33.6%	34.7%	35.8%	36.9%	37.9%	39.0%	40.1%	41.2%	42.3%	43.4%
	16	1.4%	2.0%	2.7%	3.4%	4.1%	4.7%	5.4%	6.1%	6.8%	7.5%	8.1%	8.8%	9.5%	10.2%	10.8%	11.5%	12.2%	12.9%	13.6%	14.2%	14.9%	15.6%	16.3%	16.9%	17.6%	18.3%	19.0%	19.7%	20.3%	21.0%	21.7%	22.4%	23.0%	23.7%	24.4%	25.1%	25.7%	26.4%	27.1%
	25	0.9%	1.3%	1.7%	2.2%	2.6%	3.0%	3.5%	3.9%	4.3%	4.8%	5.2%	5.6%	6.1%	6.5%	6.9%	7.4%	7.8%	8.2%	8.7%	9.1%	9.5%	10.0%	10.4%	10.8%	11.3%	11.7%	12.1%	12.6%	13.0%	13.4%	13.9%	14.3%	14.7%	15.2%	15.6%	16.0%	16.5%	16.9%	17.3%
	35	0.6%	0.9%	1.2%	1.5%	1.9%	2.2%	2.5%	2.8%	3.1%	3.4%	3.7%	4.0%	4.3%	4.6%	5.0%	5.3%	5.6%	5.9%	6.2%	6.5%	6.8%	7.1%	7.4%	7.7%	8.1%	8.4%	8.7%	9.0%	9.3%	9.6%	9.9%	10.2%	10.5%	10.8%	11.2%	11.5%	11.8%	12.1%	12.4%
	50	0.4%	0.7%	0.9%	1.1%	1.3%	1.5%	1.7%	2.0%	2.2%	2.4%	2.6%	2.8%	3.0%	3.3%	3.5%	3.7%	3.9%	4.1%	4.3%	4.6%	4.8%	5.0%	5.2%	5.4%	5.6%	5.9%	6.1%	6.3%	6.5%	6.7%	6.9%	7.2%	7.4%	7.6%	7.8%	8.0%	8.2%	8.5%	8.7%
	70	0.3%	0.5%	0.6%	0.8%	0.9%	1.1%	1.2%	1.4%	1.5%	1.7%	1.9%	2.0%	2.2%	2.3%	2.5%	2.6%	2.8%	2.9%	3.1%	3.3%	3.4%	3.6%	3.7%	3.9%	4.0%	4.2%	4.3%	4.5%	4.6%	4.8%	5.0%	5.1%	5.3%	5.4%	5.6%	5.7%	5.9%	6.0%	6.2%
	95	0.2%	0.3%	0.5%	0.6%	0.7%	0.8%	0.9%	1.0%	1.1%	1.3%	1.4%	1.5%	1.6%	1.7%	1.8%	1.9%	2.1%	2.2%	2.3%	2.4%	2.5%	2.6%	2.7%	2.9%	3.0%	3.1%	3.2%	3.3%	3.4%	3.5%	3.7%	3.8%	3.9%	4.0%	4.1%	4.2%	4.3%	4.5%	4.6%
	120	0.2%	0.3%	0.4%	0.5%	0.5%	0.6%	0.7%	0.8%	0.9%	1.0%	1.1%	1.2%	1.3%	1.4%	1.4%	1.5%	1.6%	1.7%	1.8%	1.9%	2.0%	2.1%	2.2%	2.3%	2.3%	2.4%	2.5%	2.6%	2.7%	2.8%	2.9%	3.0%	3.1%	3.2%	3.3%	3.3%	3.4%	3.5%	3.6%

Charge Voltage DC 28 VDC
 Charge Current DC 35.71 amps
 Power 1000 watt
 I/L (Line current) 20.62 amps