Manufacturer: Kaco

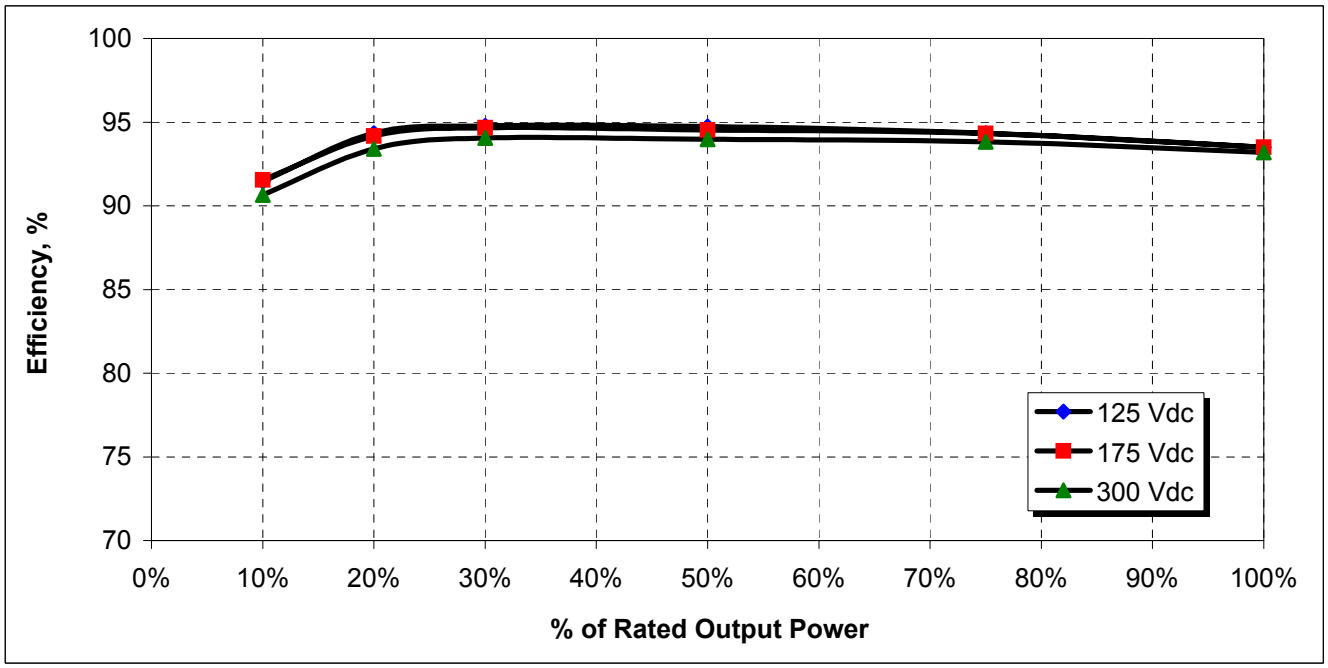
Model #: Blue Planet 1501xi

Rated Maximum Continuous Output Power: 1.67 kW Night Tare Loss: 2.63 W

Vmin: 125 Vdc Vnom: 175 Vdc Vmax: 300 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.17	0.33	0.50	0.83	1.25	1.67	Wtd
Vmin	125	91.5	94.3	94.8	94.7	94.3	93.5	94.3
Vnom	175	91.6	94.2	94.7	94.5	94.3	93.5	94.3
Vmax	300	90.7	93.4	94.1	94.0	93.8	93.2	93.7

CEC Efficiency = 94.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	136.7	127.9	91.492	134.7	126.4	91.387	135.9	126.1	91.434	137.6	126.9	91.492	138	127.4	91.518
20%	Vmin	318.9	124.2	94.350	313.5	123.8	94.323	321.3	123.6	94.361	316.6	124	94.347	311.8	124.3	94.301
30%	Vmin	449.3	121.7	94.782	449.3	121.6	94.781	449.6	122	94.783	447.6	121.7	94.778	446.8	122.1	94.777
50%	Vmin	787.7	125	94.734	792.8	125	94.736	790.5	125	94.745	789.2	124.8	94.750	786.8	124.8	94.749
75%	Vmin	1077.4	125	94.350	1072.4	125.3	94.357	1079.1	125.2	94.346	1080.2	124.8	94.342	1078.7	125	94.351
100%	Vmin	1446.5	124.9	93.483	1448.1	125	93.485	1438.7	125.6	93.506	1438.9	125.6	93.509	1444.5	125.2	93.496
10%	Vnom	137.8	173.4	91.585	137.9	173.3	91.561	134.8	175.4	91.494	134.4	166.8	91.549	133.8	163.8	91.544
20%	Vnom	319.6	175.1	94.175	317.4	177.1	94.144	321.2	177.8	94.166	319.2	177.5	94.172	322.6	176.8	94.177
30%	Vnom	459.9	175.3	94.668	457.9	174.9	94.671	460.3	175.2	94.670	458.9	175	94.668	460	175.2	94.672
50%	Vnom	772.9	173.8	94.545	786.7	173.9	94.535	787.2	173.6	94.531	772.4	174.3	94.536	772.4	173.6	94.539
75%	Vnom	1059.9	171.6	94.324	1056.4	171.2	94.328	1066.3	171.2	94.320	1060.8	170.8	94.330	1063.8	171	94.330
100%	Vnom	1451.3	177.2	93.500	1453.2	177	93.499	1455.2	177.2	93.494	1450.5	176.9	93.505	1457.2	177.5	93.497
10%	Vmax	134.4	277.3	90.544	127.7	263.9	90.384	124.4	251.7	90.377	130	251.6	90.612	151.5	270.9	91.208
20%	Vmax	321.4	297.9	93.416	313.8	289.3	93.434	314.8	290.4	93.411	313.8	288.8	93.427	306.7	282.6	93.408
30%	Vmax	469.5	304.7	94.071	462.2	304.9	94.049	465	304.3	94.056	461.4	304.6	94.046	464.8	304.1	94.059
50%	Vmax	757.4	298.9	93.975	759.1	299	93.964	765.3	298.3	93.973	785.5	298	93.969	777.1	298.1	93.971
75%	Vmax	1078.9	300.2	93.808	1074.5	300.8	93.811	1079.4	300.7	93.822	1074.2	300.2	93.819	1079.2	300.1	93.817
100%	Vmax	1459.8	299.1	93.185	1456.1	299.5	93.188	1457.5	298.6	93.189	1458.1	299.2	93.192	1459.8	299.4	93.184

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	136.5	126.2	91.448	136.7	126.2	91.463									
20%	Vmin	322	124.2	94.378	324.2	123.8	94.377									
30%	Vmin	446.3	121.7	94.777	446.1	122.2	94.779									
50%	Vmin	792.8	124.9	94.749	785.8	125.2	94.747									
75%	Vmin	1082.3	124.6	94.340	1078.2	124.9	94.349									
100%	Vmin	1436.9	125.8	93.516	1446.7	124.8	93.491									
10%	Vnom	135	173.5	91.514	136.9	170	91.615									
20%	Vnom	319.8	175.9	94.187	320.6	177.2	94.167									
30%	Vnom	458.2	174.4	94.677	435.9	175.5	94.617									
50%	Vnom	788.2	172.9	94.548	784.1	173.1	94.548									
75%	Vnom	1064.7	170.9	94.326	1061	170.5	94.333									
100%	Vnom	1450.4	176.6	93.513	1453.5	176.8	93.507									
10%	Vmax	142.1	284.5	90.761	140.2	284.8	90.694									
20%	Vmax	311.4	289.4	93.407	314.4	298.3	93.372									
30%	Vmax	460.1	304.5	94.044	465	304.8	94.059									
50%	Vmax	776.7	298.4	93.982	774.3	298.2	93.977									
75%	Vmax	1076.9	299.5	93.817	1079.5	300.4	93.819									
100%	Vmax	1460.8	299.6	93.182	1454.9	299.1	93.196									