Manufacturer: KACO Geratetechnik GmbH

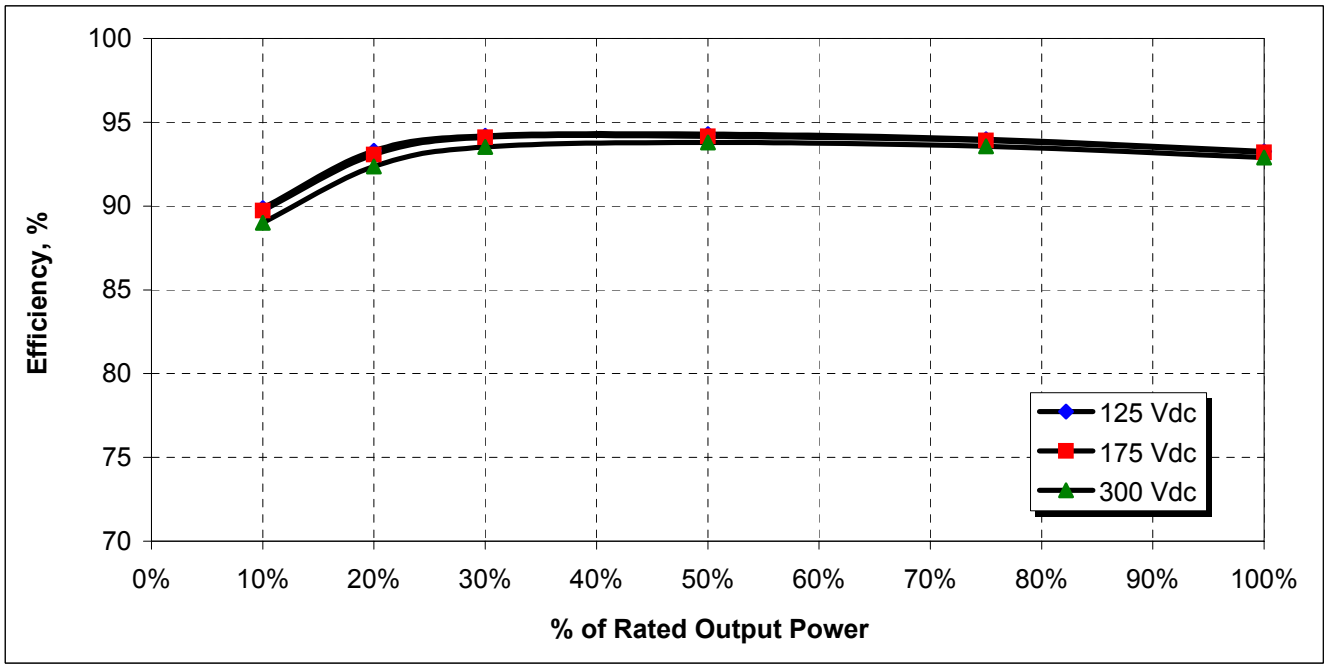
Model #: Blue Planet 3601xi

Rated Maximum Continuous Output Power: 3.60 kW Night Tare Loss: 3.11 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.36	0.72	1.08	1.80	2.70	3.60	Wtd
Vmin	125	89.9	93.3	94.2	94.3	94.0	93.3	93.8
Vnom	175	89.7	93.1	94.1	94.2	93.9	93.2	93.7
Vmax	300	89.0	92.4	93.5	93.8	93.6	92.9	93.3

CEC Efficiency = 93.5%



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	381.008	128.44	90.832	380.57	128.56	92.140	361.25	128.63	89.534	381.23	127.31	87.027	372.47	127.26	89.380
20%	Vmin	814.962	126.75	93.271	819.26	128.07	93.261	821.85	127.22	93.289	821.18	125.32	93.294	825.85	126.45	93.308
30%	Vmin	1244.09	125.87	94.215	1232.8	125.82	94.178	1226.5	127.44	94.182	1216	126.31	94.164	1244	125.24	94.212
50%	Vmin	1996.33	125.14	94.296	1985.3	123.84	94.298	1996.6	125.18	94.295	1980	126.6	94.286	1991.9	126.1	94.294
75%	Vmin	2843.47	125.52	93.995	2855.2	125.87	93.985	2845.6	126.36	93.991	2851.1	125.48	93.982	2847.4	126.27	93.991
100%	Vmin	3813.93	121.23	93.255	3814.5	121.23	93.255	3814.6	121.23	93.256	3814.5	121.23	93.256	3814.8	121.23	93.261
10%	Vnom	377.69	181.52	89.768	373.15	181.84	89.719	372.19	182.51	89.698	377.83	182.6	89.767	372.72	183.68	89.708
20%	Vnom	830.882	182.01	93.056	828.47	180.17	93.066	832.87	182.05	93.064	831.3	181.3	93.066	835.32	182.56	93.076
30%	Vnom	1267.2	176.55	94.110	1268.2	176.63	94.113	1261.1	176.53	94.099	1262.5	176.78	94.102	1260.4	176.82	94.093
50%	Vnom	2024.38	175.17	94.174	2024.3	176.69	94.151	2025.9	176.75	94.164	2024.2	177.1	94.159	2025.6	176.71	94.155
75%	Vnom	2867.3	177.07	93.915	2864.8	178.77	93.890	2883.3	178.42	93.901	2884.2	178.36	93.895	2879.3	178.4	93.905
100%	Vnom	3865.62	176.82	93.215	3870.8	176.7	93.206	3870.8	176.65	93.204	3875.8	176.48	93.203	3875.5	176.52	93.204
10%	Vmax	348.278	299.99	89.074	343.5	295.26	88.952	346.02	298.09	89.035	346.61	300.54	88.949	344.91	297.2	89.029
20%	Vmax	835.341	298.17	92.363	826.77	298.75	92.342	837.09	297.77	92.371	827.88	298.76	92.335	838.3	298.25	92.379
30%	Vmax	1254.68	296.76	93.526	1239.9	297.62	93.493	1256.7	296.73	93.530	1252.3	296.59	93.523	1252.8	296.72	93.510
50%	Vmax	2001.4	301.09	93.798	1999.4	301.06	93.803	2000.4	301.14	93.788	1981.9	302.27	93.777	1993.1	301.12	93.795
75%	Vmax	2877	297.15	93.569	2897.8	296.7	93.545	2879.5	297.41	93.566	2878.5	297.06	93.564	2882.9	297.37	93.544
100%	Vmax	38855	300.2	92.889	3849.9	299.93	92.887	3857.7	299.62	92.896	3852.1	299.71	92.892	3851.9	299.79	92.893

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	354.463	127.69	90.861	372.63	126.91	89.360									
20%	Vmin	826.194	128.16	93.315	831.58	127.27	93.327									
30%	Vmin	1216.39	127.97	94.147	1243.5	124.9	94.203									
50%	Vmin	1998.06	125.4	94.297	1999.6	125.42	94.298									
75%	Vmin	2845.86	125.5	93.978	2846.7	124.63	93.988									
100%	Vmin	3814.59	121.23	93.257	3814.6	121.23	93.257									
10%	Vnom	375.768	180.13	89.733	376.74	181.23	89.749									
20%	Vnom	833.554	182.66	93.073	835.22	181.85	93.091									
30%	Vnom	1261.98	177.13	94.103	1250.8	177.37	94.073									
50%	Vnom	2028.97	176.15	94.160	2026.1	176.26	94.168									
75%	Vnom	2885.22	178.08	93.895	2879.6	178.44	93.908									
100%	Vnom	3874.73	176.49	93.205	3878	176.39	93.206									
10%	Vmax	346.733	299.04	89.029	346.85	299.85	88.967									
20%	Vmax	831.48	297.52	92.340	841.21	296.87	92.398									
30%	Vmax	1258.86	296.87	93.538	1252	297.23	93.520									
50%	Vmax	1981.96	301.87	93.787	1991.2	301.21	93.794									
75%	Vmax	2884.48	297.06	93.572	2891.3	296.84	93.555									
100%	Vmax	3850.19	299.96	92.893	3852.4	300.19	92.892									