Manufacturer: KACO new energy

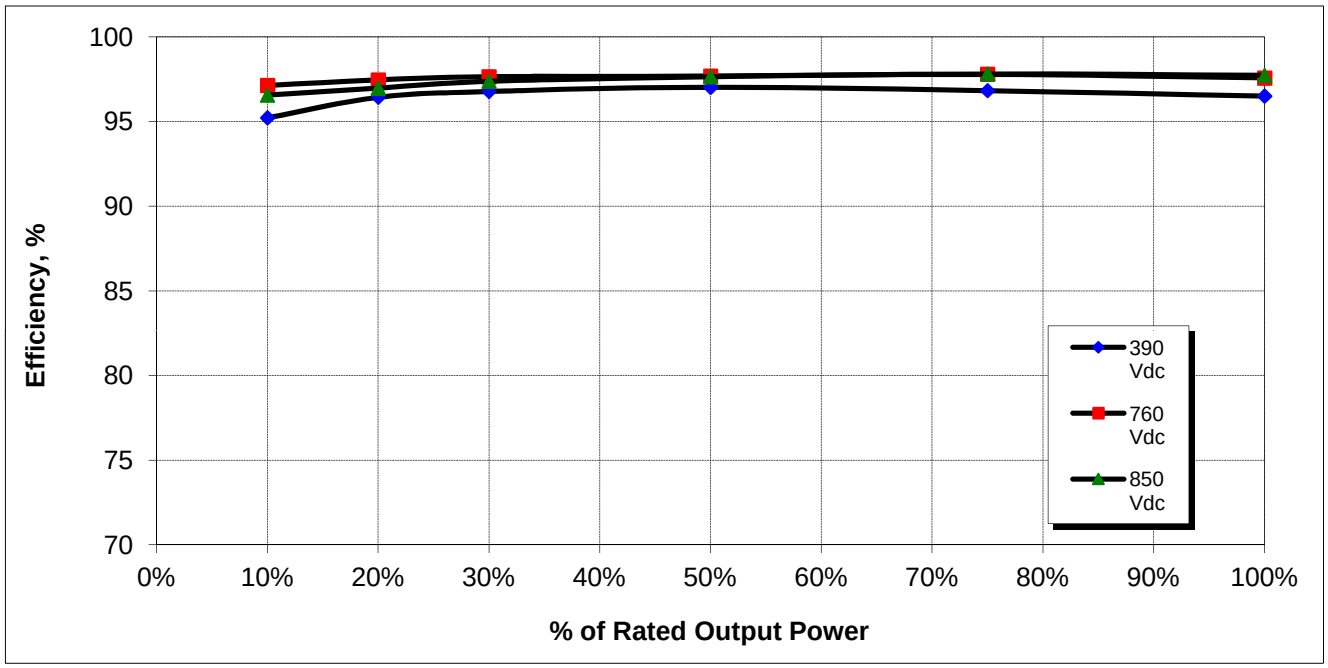
Model #: KACO blueplanet 40.0 TL3

Rated Maximum Continuous Output Power: 40.00 kW Night Tare Loss: 1.42 W

Vmin: 390 Vdc Vnom: 760 Vdc Vmax: 850 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		4.00	8.00	12.00	20.00	30.00	40.00	Wtd
Vmin	390	95.2	96.4	96.8	97.0	96.8	96.5	96.8
Vnom	760	97.1	97.5	97.7	97.7	97.8	97.6	97.7
Vmax	850	96.6	97.0	97.4	97.7	97.8	97.7	97.6

CEC Efficiency = 97.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	4065	388.39	95.132	4070	388.39	95.245	4066	388.43	95.245	4017	388.44	95.451	4069	388.38	95.026
20%	Vmin	8094	388.39	96.495	8086	388.52	96.423	8087	388.56	96.423	8090	388.51	96.516	8087	388.6	96.308
30%	Vmin	12123	388.39	96.821	12122	388.52	96.699	12127	388.56	96.699	12120	388.49	96.759	12121	388.53	96.898
50%	Vmin	20350	388.39	96.997	20337	388.58	97.062	20350	388.61	97.062	20350	388.56	97.048	20347	388.57	96.969
75%	Vmin	30430	388.39	96.772	30434	388.63	96.865	30435	388.62	96.865	30443	388.61	96.847	30434	388.61	96.776
100%	Vmin	40523	388.39	96.545	40523	388.4	96.474	40517	388.35	96.474	40515	388.37	96.526	40510	388.38	96.508
10%	Vnom	4098	759.73	96.583	4098	759.74	97.479	4096	759.62	97.223	4094	759.61	97.152	4096	759.7	97.200
20%	Vnom	8159	761.3	97.444	8157	761.25	97.224	8160	761.14	97.482	8170	761.34	97.586	8167	761.34	97.586
30%	Vnom	12248	761.76	97.454	12249	761.68	97.750	12250	761.72	97.680	12248	761.79	97.788	12249	761.81	97.578
50%	Vnom	20605	760.12	97.451	20609	760.2	97.789	20608	760.23	97.798	20610	760.21	97.590	20615	760.18	97.780
75%	Vnom	30906	759.73	97.825	30911	759.72	97.829	30910	759.7	97.820	30906	759.91	97.754	30901	760.01	97.726
100%	Vnom	41091	760.12	97.555	41096	760.05	97.608	41097	760.46	97.592	41103	760.09	97.572	41103	760.17	97.555
10%	Vmax	4049	850.68	96.016	4051	850.67	96.567	4554	850.63	96.685	4051	850.75	96.636	4049	850.75	96.889
20%	Vmax	8148	849.75	96.862	8152	849.97	96.967	8148	849.87	97.243	8150	849.76	96.897	8143	849.76	96.894
30%	Vmax	12332	849.91	97.240	12331	849.82	97.586	12341	849.78	97.411	12348	849.97	97.351	12343	849.97	97.304
50%	Vmax	20527	849.95	97.780	20530	849.87	97.622	20533	849.91	97.544	20538	849.94	97.665	20538	849.94	97.647
75%	Vmax	30885	849.7	97.867	30889	849.86	97.827	30896	849.88	97.797	30897	849.63	97.794	30897	849.63	97.809
100%	Vmax	41122	849.76	97.696	41091	850.06	97.624	41092	849.91	97.971	41105	849.85	97.637	41105	849.85	97.750

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															