Manufacturer: KACO new energy

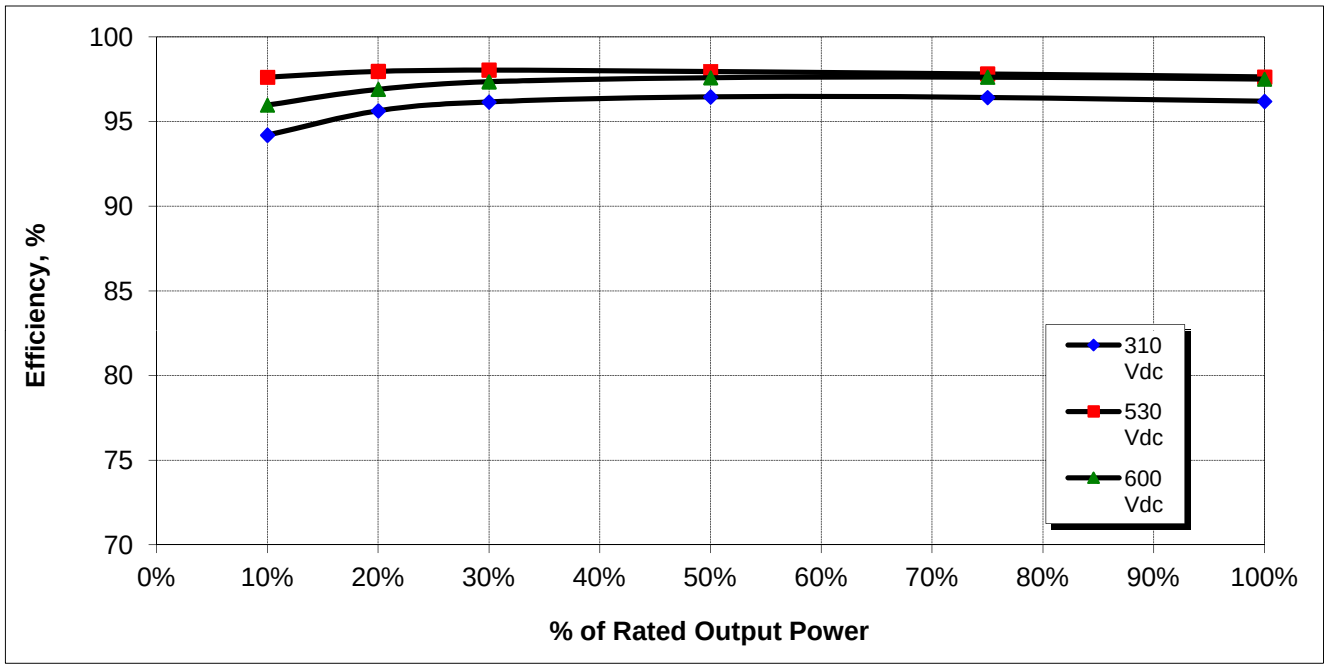
Model #: KACO blueplanet 32.0 TL3

Rated Maximum Continuous Output Power: 32.00 kW Night Tare Loss: 1.42 W

Vmin: 310 Vdc Vnom: 530 Vdc Vmax: 600 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		3.20	6.40	9.60	16.00	24.00	32.00	Wtd
Vmin	310	94.2	95.6	96.2	96.5	96.4	96.2	96.3
Vnom	530	97.6	98.0	98.0	98.0	97.8	97.6	97.9
Vmax	600	96.0	96.9	97.3	97.6	97.6	97.5	97.5

CEC Efficiency = 97.0%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	3141	310.23	94.042	3144	310.23	94.104	3142	310.19	94.241	3140	310.23	93.984	3146	310.21	94.617
20%	Vmin	6383	310.23	95.212	6400	310.32	95.737	6397	310.31	95.674	6395	310.31	95.791	5396	310.29	95.749
30%	Vmin	9646	310.23	96.057	9655	310.34	96.213	9647	310.3	96.268	9639	310.33	96.035	9647	310.3	96.201
50%	Vmin	16145	310.23	96.400	16149	309.67	96.493	16155	309.65	96.505	16154	309.62	96.448	16146	309.67	96.423
75%	Vmin	24222	310.23	96.421	24225	310.38	96.422	24217	310.41	96.413	24228	310.38	96.430	24226	310.39	96.430
100%	Vmin	32153	310.23	96.197	32157	309.63	96.204	32158	309.63	96.181	32145	309.63	96.171	32156	309.67	96.195
10%	Vnom	3252	530.23	97.075	3251	530.29	97.481	3250	530.24	97.892	3249	530.26	98.246	3248	531.21	97.391
20%	Vnom	6508	530.31	97.424	6504	530.34	98.193	6522	530.29	97.953	6507	530.35	98.134	6522	530.31	98.134
30%	Vnom	9870	530.3	97.965	9886	530.27	98.114	9877	530.27	98.006	9878	530.24	98.093	9876	530.29	98.025
50%	Vnom	16395	530.23	97.822	16405	530.24	97.987	16407	530.23	98.046	16390	530.28	98.050	16396	530.22	97.887
75%	Vnom	24567	530.19	97.799	24563	530.16	97.837	24567	530.2	97.876	24570	530.18	97.826	24572	530.16	97.741
100%	Vnom	32702	530.17	97.662	32694	530.15	97.635	32699	530.15	97.656	32689	530.14	97.594	32700	530.13	97.597
10%	Vmax	3234	599.84	96.279	3241	599.76	96.201	3231	599.78	95.819	3232	599.77	95.565	3235	599.8	96.023
20%	Vmax	6504	599.86	96.930	6504	599.84	96.973	6502	599.8	96.900	6500	599.89	96.827	6497	599.84	96.898
30%	Vmax	9792	599.86	97.510	9778	599.81	97.294	9791	599.83	97.539	9786	599.83	97.141	9781	599.82	97.265
50%	Vmax	16285	599.87	97.667	16293	599.77	97.662	16297	599.77	97.569	16292	599.74	97.528	16294	599.79	97.528
75%	Vmax	24546	599.75	97.633	24536	599.8	97.578	24529	599.78	97.616	24544	599.73	97.691	24548	599.76	97.610
100%	Vmax	32649	599.7	97.553	32652	599.64	97.512	32639	599.66	97.450	32658	599.68	97.559	32649	599.74	97.445

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															