Manufacturer: KACO new energy GmbH

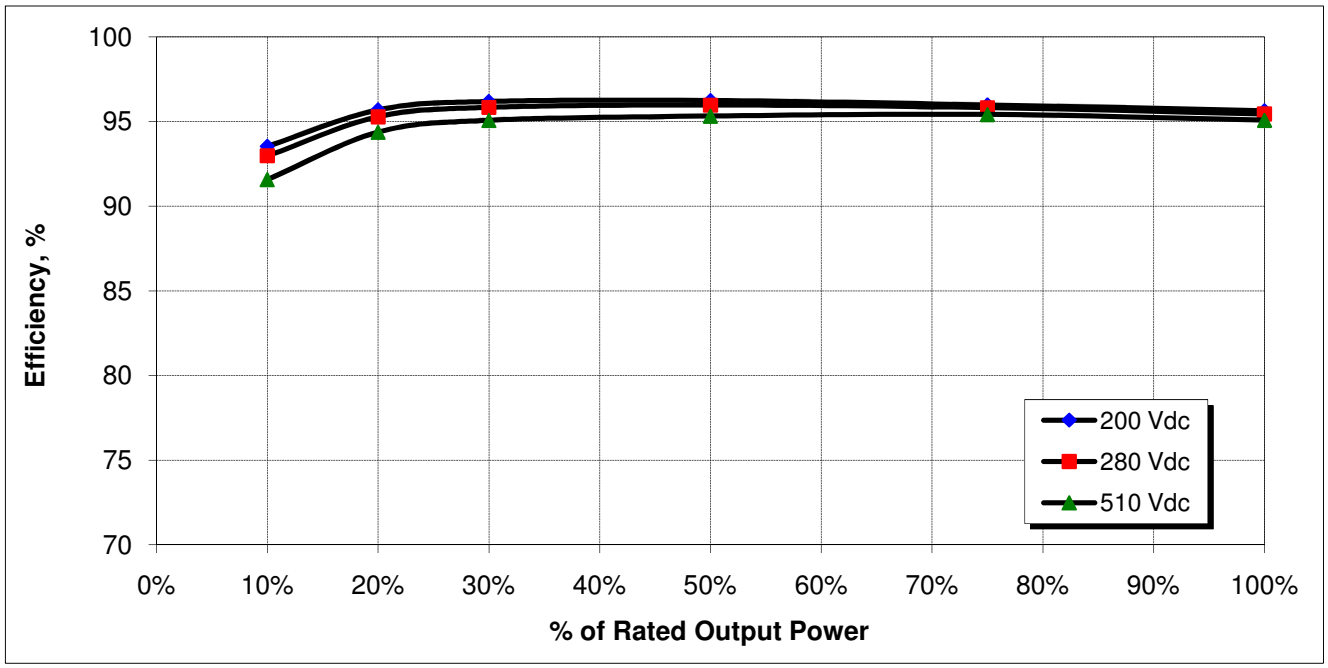
Model #: blueplanet 3502xi (Vac: 240 V)

Rated Maximum Continuous Output Power: 3.50 kW Night Tare Loss: 0.36 W

Vmin: 200 Vdc Vnom: 280 Vdc Vmax: 510 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.35	0.70	1.05	1.75	2.63	3.50	Wtd
Vmin	200	93.5	95.7	96.2	96.2	96.0	95.6	95.9
Vnom	280	93.0	95.3	95.8	96.0	95.8	95.4	95.7
Vmax	510	91.6	94.4	95.1	95.3	95.4	95.1	95.1

CEC Efficiency = 95.5%



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	335	200	93.54	335	200	93.55	335	200	93.53	335	200	93.53	335	200	93.54
20%	Vmin	750	200	95.68	750	200	95.68	750	200	95.68	750	200	95.69	750	200	95.69
30%	Vmin	1118	200	96.18	1118	200	96.19	1118	200	96.18	1118	200	96.18	1118	200	96.18
50%	Vmin	1595	200	96.24	1595	200	96.24	1595	200	96.23	1595	200	96.24	1595	200	96.24
75%	Vmin	2472	200	95.98	2472	200	95.98	2472	200	95.98	2472	200	95.98	2472	200	95.98
100%	Vmin	3346	200	95.63	3346	200	95.64	3346	200	95.64	3346	200	95.64	3346	200	95.64
10%	Vnom	335	280	92.98	335	280	92.99	335	280	92.98	335	280	92.96	335	280	92.97
20%	Vnom	749	280	95.28	749	280	95.28	749	280	95.28	749	280	95.28	749	280	95.27
30%	Vnom	1119	280	95.83	1119	280	95.83	1119	280	95.83	1119	280	95.83	1119	280	95.83
50%	Vnom	1596	280	95.97	1596	280	95.97	1596	280	95.96	1596	280	95.96	1596	280	95.96
75%	Vnom	2470	280	95.82	2470	280	95.82	2470	280	95.82	2470	280	95.81	2470	280	95.81
100%	Vnom	3346	280	95.44	3346	280	95.44	3346	280	95.44	3346	280	95.44	3346	280	95.44
10%	Vmax	336	510	91.59	336	510	91.57	336	510	91.59	336	510	91.56	335	510	91.55
20%	Vmax	750	510	94.37	750	510	94.37	750	510	94.37	750	510	94.37	750	510	94.36
30%	Vmax	1118	510	95.07	1118	510	95.06	1118	510	95.07	1118	510	95.08	1118	510	95.07
50%	Vmax	1595	510	95.32	1595	510	95.32	1595	510	95.32	1595	510	95.32	1595	510	95.31
75%	Vmax	2471	510	95.42	2471	510	95.42	2471	510	95.41	2471	510	95.42	2471	510	95.42
100%	Vmax	3345	510	95.08	3345	510	95.08	3345	510	95.08	3345	510	95.08	3346	510	95.08

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															