Manufacturer: KACO new energy GmbH

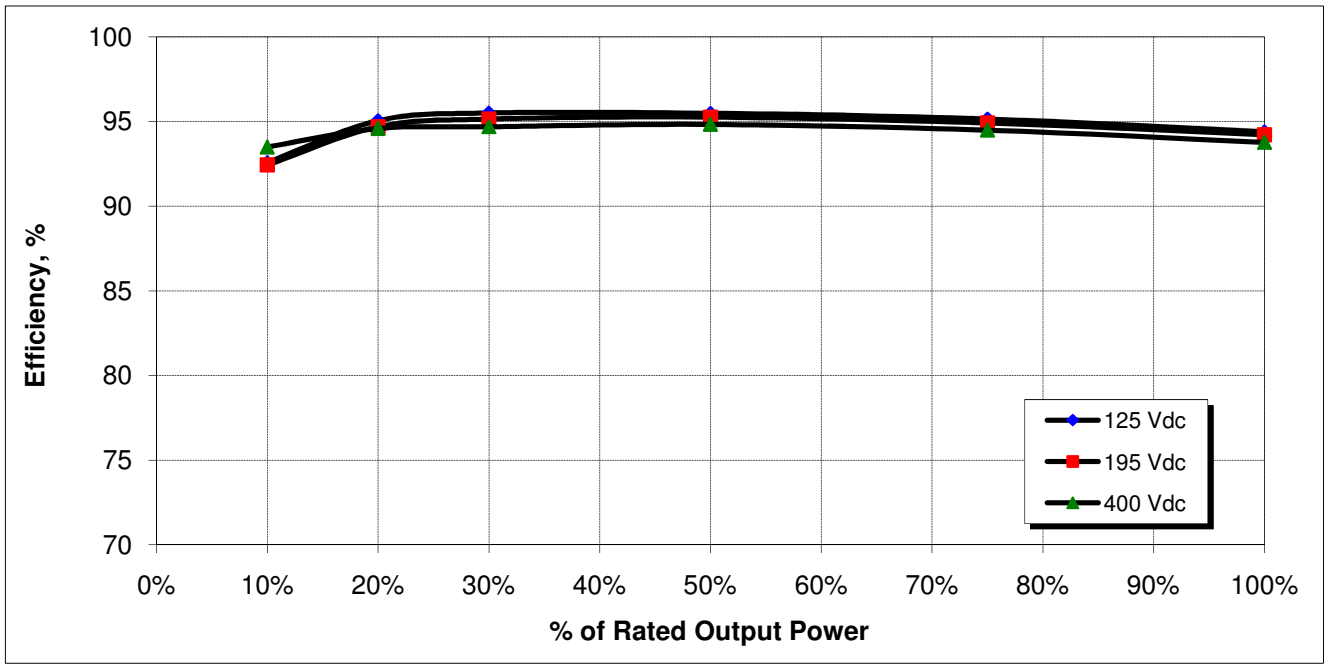
Model #: blueplanet 1502xi (Vac: 208 V)

Rated Maximum Continuous Output Power: 1.50 kW Night Tare Loss: 0.29 W

Vmin: 125 Vdc Vnom: 195 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.15	0.30	0.45	0.75	1.13	1.50	Wtd
Vmin	125	92.6	95.1	95.5	95.5	95.2	94.4	95.1
Vnom	195	92.4	94.7	95.1	95.3	94.9	94.2	94.9
Vmax	400	93.5	94.6	94.7	94.8	94.5	93.8	94.5

CEC Efficiency = 95.0%



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	146	125	92.56	146	125	92.56	146	125	92.57	146	125	92.57	146	125	92.56
20%	Vmin	325	125	95.05	325	125	95.05	325	125	95.05	325	125	95.05	325	125	95.05
30%	Vmin	483	125	95.50	483	125	95.51	483	125	95.51	483	125	95.51	483	125	95.50
50%	Vmin	681	125	95.50	681	125	95.49	681	125	95.48	681	125	95.49	681	125	95.49
75%	Vmin	1054	125	95.15	1054	125	95.15	1054	125	95.15	1054	125	95.15	1054	125	95.15
100%	Vmin	1431	125	94.39	1431	125	94.39	1431	125	94.39	1431	125	94.39	1431	125	94.39
10%	Vnom	145	195	92.43	145	195	92.47	145	195	92.44	145	195	92.43	145	195	92.44
20%	Vnom	325	195	94.69	325	195	94.69	325	195	94.69	325	195	94.69	325	195	94.68
30%	Vnom	483	195	95.14	483	195	95.15	483	195	95.15	483	195	95.15	483	195	95.15
50%	Vnom	680	195	95.26	680	195	95.26	680	195	95.25	680	195	95.26	680	195	95.26
75%	Vnom	1056	195	94.92	1056	195	94.92	1056	195	94.92	1056	195	94.92	1056	195	94.92
100%	Vnom	1431	195	94.22	1431	195	94.22	1431	195	94.22	1431	195	94.21	1431	195	94.21
10%	Vmax	146	400	93.53	146	400	93.48	146	400	93.48	146	400	93.48	146	400	93.49
20%	Vmax	326	400	94.61	326	400	94.61	326	400	94.59	326	400	94.58	326	400	94.57
30%	Vmax	483	400	94.67	483	400	94.69	483	400	94.70	483	400	94.71	483	400	94.71
50%	Vmax	680	400	94.83	680	400	94.83	680	400	94.83	680	400	94.84	680	400	94.84
75%	Vmax	1055	400	94.50	1055	400	94.50	1055	400	94.50	1055	400	94.49	1055	400	94.48
100%	Vmax	1430	400	93.78	1430	400	93.78	1430	400	93.77	1430	400	93.76	1430	400	93.75

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															