Manufacturer: KACO new energy GmbH

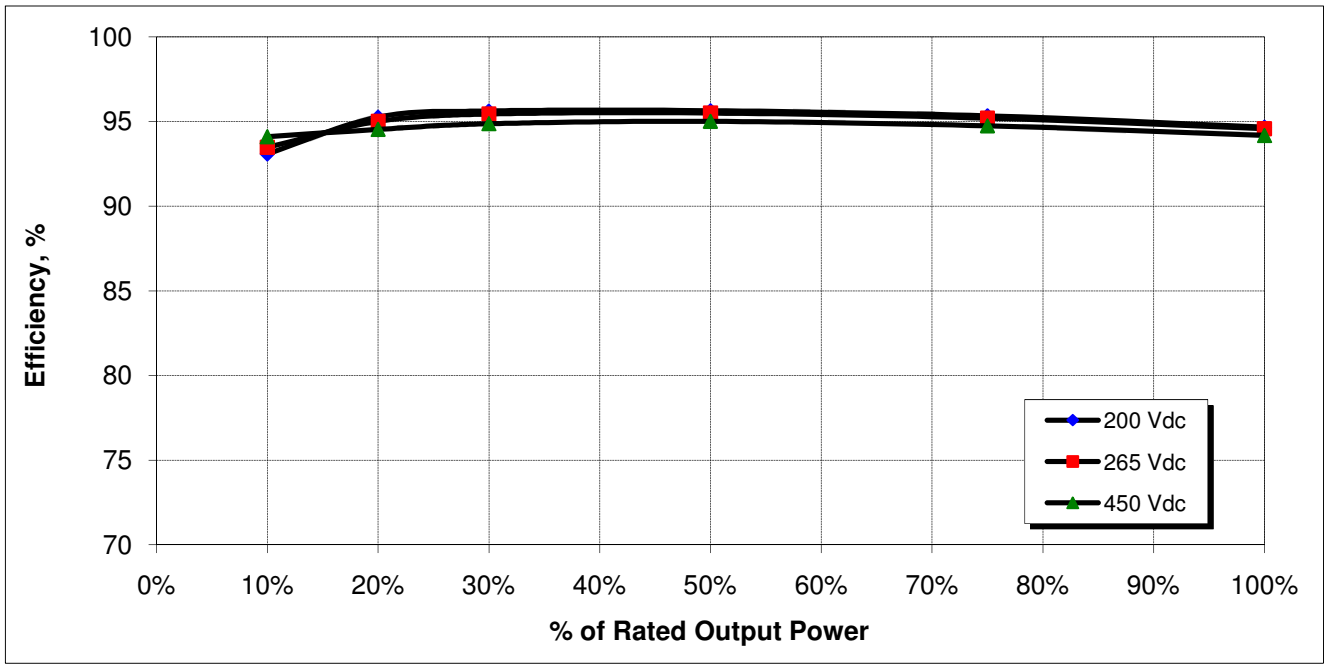
Model #: blueplanet 2502xi (Vac: 208 V)

Rated Maximum Continuous Output Power: 2.50 kW Night Tare Loss: 0.29 W

Vmin: 200 Vdc Vnom: 265 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.25	0.50	0.75	1.25	1.88	2.50	Wtd
Vmin	200	93.1	95.3	95.6	95.6	95.3	94.7	95.3
Vnom	265	93.5	95.0	95.4	95.5	95.2	94.6	95.2
Vmax	450	94.1	94.5	94.9	95.0	94.7	94.2	94.7

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	247	200	93.08	247	200	93.08	247	200	93.08	247	200	93.08	247	200	93.07
20%	Vmin	547	200	95.26	547	200	95.26	547	200	95.26	547	200	95.26	547	200	95.27
30%	Vmin	810	200	95.62	811	200	95.62	811	200	95.62	811	200	95.62	810	200	95.62
50%	Vmin	1128	200	95.64	1128	200	95.64	1128	200	95.64	1128	200	95.64	1128	200	95.64
75%	Vmin	1753	200	95.33	1753	200	95.33	1753	200	95.33	1753	200	95.33	1753	200	95.33
100%	Vmin	2377	200	94.68	2377	200	94.67	2377	200	94.67	2377	200	94.66	2377	200	94.66
10%	Vnom	247	265	93.46	247	265	93.47	247	265	93.49	247	265	93.49	247	265	93.48
20%	Vnom	547	265	95.00	547	265	95.01	547	265	95.01	547	265	95.00	547	265	95.01
30%	Vnom	811	265	95.45	811	265	95.44	811	265	95.44	811	265	95.44	811	265	95.45
50%	Vnom	1127	265	95.50	1127	265	95.50	1127	265	95.50	1127	265	95.50	1127	265	95.51
75%	Vnom	1752	265	95.20	1752	265	95.20	1752	265	95.20	1752	265	95.20	1752	265	95.20
100%	Vnom	2377	265	94.58	2377	265	94.58	2377	265	94.58	2377	265	94.58	2377	265	94.58
10%	Vmax	248	450	94.11	248	450	94.09	247	450	94.11	247	450	94.10	247	450	94.07
20%	Vmax	547	450	94.54	547	450	94.53	547	450	94.53	547	450	94.52	547	450	94.52
30%	Vmax	811	450	94.87	811	450	94.87	811	450	94.87	811	450	94.86	811	450	94.86
50%	Vmax	1128	450	95.01	1128	450	95.01	1128	450	95.00	1128	450	95.01	1128	450	95.00
75%	Vmax	1754	450	94.75	1754	450	94.74	1754	450	94.74	1754	450	94.74	1754	450	94.74
100%	Vmax	2378	450	94.18	2378	450	94.18	2378	450	94.17	2377	450	94.16	2377	450	94.15

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															