Manufacturer: Kaco new energy GmbH

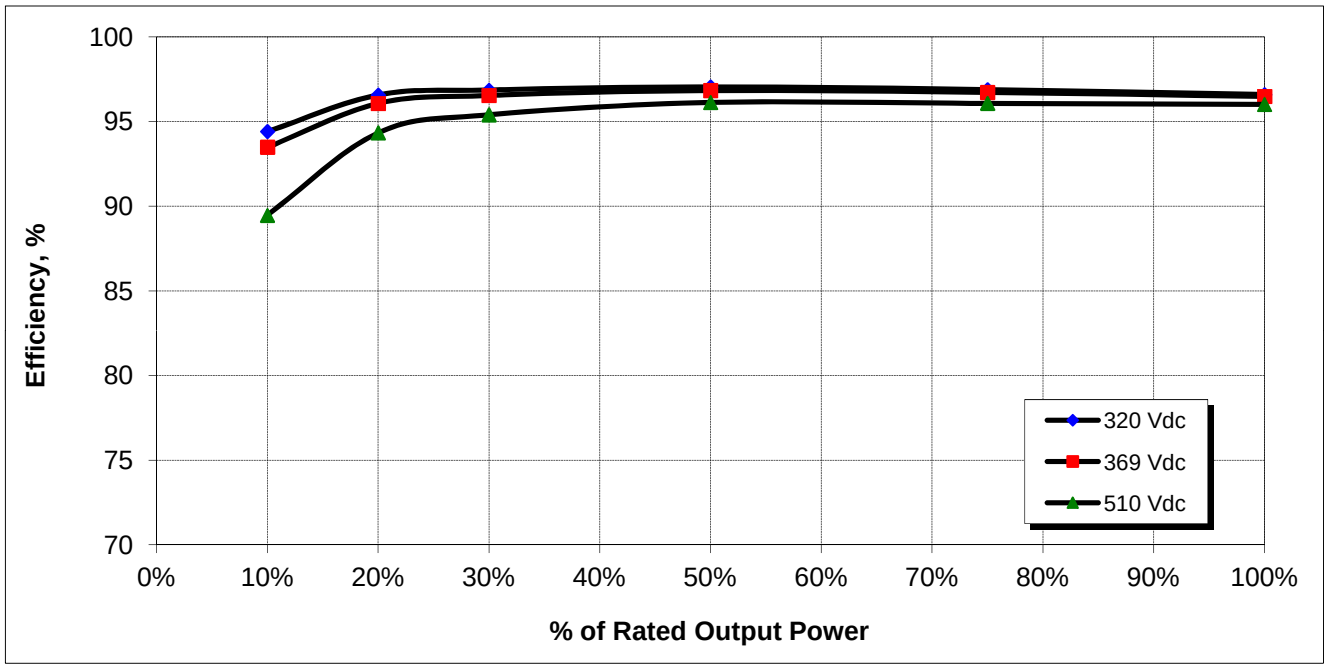
Model #: blueplanet 6400xi supreme (Vac: 208 V)

Rated Maximum Continuous Output Power: 6.40 kW Night Tare Loss: 0.26 W

Vmin: 320 Vdc Vnom: 369 Vdc Vmax: 510 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.64	1.28	1.92	3.20	4.80	6.40	Wtd
Vmin	320	94.4	96.6	96.9	97.0	96.9	96.6	96.8
Vnom	369	93.5	96.1	96.5	96.8	96.7	96.5	96.5
Vmax	510	89.5	94.3	95.4	96.1	96.1	96.0	95.7

CEC Efficiency = 96.5%



Verified by test enineer: Martin Hessenmüller

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	0.626	320	94.418	0.626	320	94.408	0.626	320	94.404	0.625	320	94.408	0.626	320	94.407
20%	Vmin	1.384	320	96.560	1.384	320	96.560	1.383	320	96.560	1.385	320	96.560	1.384	320	96.560
30%	Vmin	2.058	320	96.859	2.059	320	96.856	2.059	320	96.856	2.059	320	96.854	2.059	320	96.854
50%	Vmin	3.501	320	97.040	3.5	320	97.036	3.501	320	97.039	3.501	320	97.037	3.501	320	97.036
75%	Vmin	4.509	320	96.880	4.509	320	96.880	4.509	320	96.880	4.509	320	96.880	4.509	320	96.880
100%	Vmin	6.108	320	96.580	6.107	320	96.590	6.107	320	96.580	6.107	320	96.590	6.107	320	96.580
10%	Vnom	0.627	369	93.502	0.627	369	93.488	0.627	369	93.480	0.626	369	93.482	0.626	369	93.490
20%	Vnom	1.38	369	96.079	1.379	369	96.068	1.379	369	96.062	1.38	369	96.065	1.379	369	96.066
30%	Vnom	2.053	369	96.540	2.054	369	96.540	2.053	369	96.540	2.054	369	96.540	2.055	369	96.540
50%	Vnom	3.498	369	96.830	3.498	369	96.833	3.498	369	96.830	3.498	369	96.832	3.498	369	96.830
75%	Vnom	4.503	369	96.720	4.503	369	96.720	4.503	369	96.720	4.503	369	96.720	4.504	369	96.722
100%	Vnom	6.104	369	96.480	6.104	369	96.480	6.104	369	96.480	6.104	369	96.490	6.104	369	96.490
10%	Vmax	0.635	510	89.460	0.635	510	89.470	0.635	510	89.470	0.636	510	89.470	0.636	510	89.470
20%	Vmax	1.381	510	94.330	1.381	510	94.340	1.381	510	94.330	1.381	510	94.330	1.382	510	94.330
30%	Vmax	2.059	510	95.400	2.058	510	95.406	2.058	510	95.407	2.059	510	95.408	2.058	510	95.402
50%	Vmax	3.504	510	96.130	3.505	510	96.129	3.504	510	96.135	3.504	510	96.133	3.506	510	96.136
75%	Vmax	4.506	510	96.078	4.507	510	96.076	4.506	510	96.079	4.506	510	96.079	4.505	510	96.080
100%	Vmax	6.111	510	96.018	6.11	510	96.016	6.111	510	96.016	6.11	510	96.015	6.111	510	96.013

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															