Manufacturer: Kaco new energy GmbH

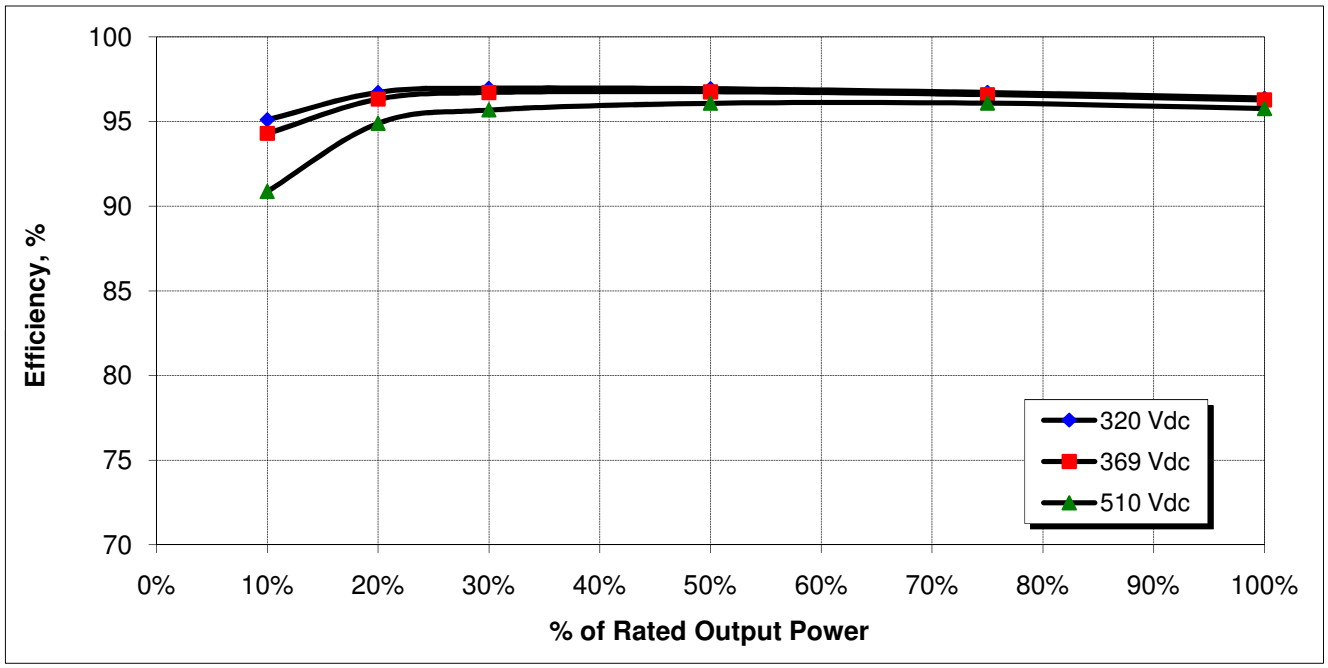
Model #: blueplanet 7600xi supreme (Vac: 208 V)

Rated Maximum Continuous Output Power: 7.60 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)		0.76	1.52	2.28	3.80	5.70	7.60	Wtd
Vmin	320	95.1	96.7	97.0	96.9	96.7	96.4	96.7
Vnom	369	94.3	96.3	96.7	96.8	96.6	96.3	96.5
Vmax	510	90.9	94.9	95.7	96.1	96.1	95.8	95.7

CEC Efficiency = 96.5%



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	0.751	320	95.090	0.751	320	95.110	0.751	320	95.105	0.75	320	95.100	0.75	320	95.099
20%	Vmin	1.658	320	96.723	1.659	320	96.719	1.659	320	96.715	1.658	320	96.711	1.659	320	96.713
30%	Vmin	2.451	320	96.956	2.451	320	96.961	2.451	320	96.964	2.451	320	96.965	2.451	320	96.963
50%	Vmin	4.163	320	96.931	4.162	320	96.934	4.163	320	96.930	4.163	320	96.931	4.163	320	96.931
75%	Vmin	5.34	320	96.708	5.34	320	96.708	5.34	320	96.707	5.34	320	96.704	5.341	320	96.702
100%	Vmin	7.237	320	96.377	7.236	320	96.377	7.236	320	96.375	7.239	320	96.376	7.238	320	96.373
10%	Vnom	0.745	369	94.303	0.746	369	94.306	0.745	369	94.302	0.746	369	94.295	0.746	369	94.298
20%	Vnom	1.654	369	96.320	1.654	369	96.324	1.654	369	96.319	1.654	369	96.318	1.655	369	96.323
30%	Vnom	2.446	369	96.707	2.446	369	96.705	2.446	369	96.711	2.446	369	96.710	2.446	369	96.708
50%	Vnom	4.155	369	96.756	4.155	369	96.753	4.155	369	96.753	4.155	369	96.752	4.155	369	96.749
75%	Vnom	5.335	369	96.588	5.336	369	96.586	5.336	369	96.587	5.335	369	96.583	5.336	369	96.579
100%	Vnom	7.234	369	96.273	7.234	369	96.274	7.233	369	96.274	7.234	369	96.275	7.233	369	96.273
10%	Vmax	0.753	510	90.863	0.753	510	90.872	0.753	510	90.891	0.753	510	90.891	0.754	510	90.866
20%	Vmax	1.657	510	94.888	1.657	510	94.889	1.656	510	94.892	1.657	510	94.893	1.657	510	94.897
30%	Vmax	2.45	510	95.677	2.45	510	95.677	2.45	510	95.681	2.449	510	95.679	2.449	510	95.682
50%	Vmax	4.165	510	96.077	4.166	510	96.074	4.166	510	96.077	4.166	510	96.078	4.166	510	96.075
75%	Vmax	5.335	510	96.081	5.334	510	96.084	5.335	510	96.085	5.334	510	96.086	5.334	510	96.083
100%	Vmax	7.239	510	95.765	7.241	510	95.767	7.239	510	95.767	7.24	510	95.762	7.239	510	95.765

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															