Manufacturer: Kaco new energy GmbH

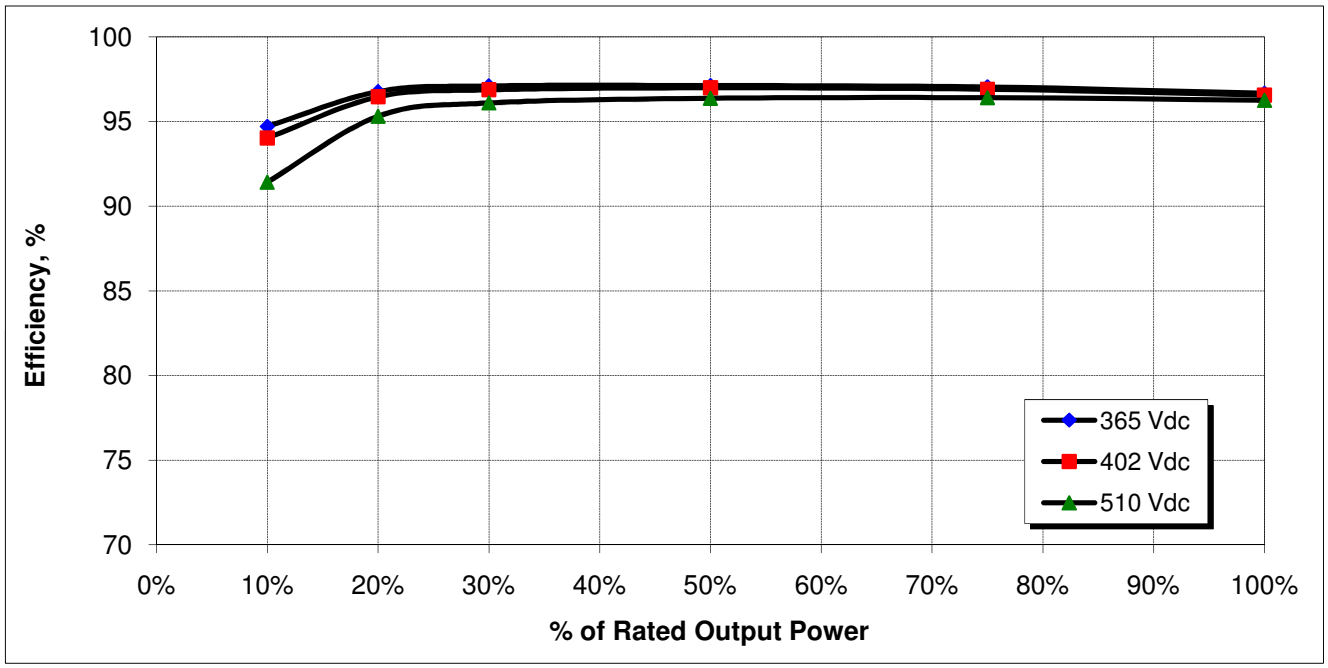
Model #: blueplanet 7600xi supreme (Vac: 240 V)

Rated Maximum Continuous Output Power: 7.60 kW Night Tare Loss: 0.36 W

Vmin: 365 Vdc Vnom: 402 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	365	94.7	96.8	97.1	97.1	97.0	96.7	96.9
Vnom	402	94.0	96.5	96.9	97.0	96.9	96.6	96.8
Vmax	510	91.4	95.3	96.1	96.4	96.4	96.3	96.1

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	0.75	365	94.710	0.75	365	94.710	0.75	365	94.700	0.75	365	94.700	0.75	365	94.690
20%	Vmin	1.653	365	96.780	1.654	365	96.770	1.653	365	96.760	1.653	365	96.750	1.654	365	96.750
30%	Vmin	2.462	365	97.100	2.462	365	97.100	2.462	365	97.100	2.462	365	97.1	2.462	365	97.100
50%	Vmin	4.161	365	97.120	4.162	365	97.120	4.161	365	97.120	4.161	365	97.120	4.161	365	97.130
75%	Vmin	5.343	365	97.030	5.343	365	97.040	5.343	365	97.040	5.344	365	97.030	5.343	365	97.040
100%	Vmin	7.249	365	96.660	7.249	365	96.660	7.249	365	96.660	7.249	365	96.670	7.249	365	96.670
10%	Vnom	0.745	402	94.020	0.745	402	94.020	0.745	402	94.030	0.745	402	94.030	0.744	402	94.020
20%	Vnom	1.648	402	96.460	1.648	402	96.460	1.647	402	96.460	1.647	402	96.460	1.647	402	96.470
30%	Vnom	2.45	402	96.880	2.45	402	96.870	2.45	402	96.880	2.45	402	96.880	2.45	402	96.880
50%	Vnom	4.155	402	97.000	4.155	402	97.000	4.155	402	96.990	4.155	402	96.990	4.155	402	97.000
75%	Vnom	5.338	402	96.900	5.338	402	96.910	5.338	402	96.920	5.338	402	96.920	5.338	402	96.910
100%	Vnom	7.262	402	96.560	7.262	402	96.560	7.262	402	96.560	7.262	402	96.560	7.262	402	96.570
10%	Vmax	0.758	510	91.410	0.759	510	91.420	0.76	510	91.420	0.76	510	91.430	0.76	510	91.440
20%	Vmax	1.647	510	95.310	1.648	510	95.310	1.647	510	95.310	1.647	510	95.300	1.647	510	95.300
30%	Vmax	2.446	510	96.090	2.446	510	96.090	2.446	510	96.090	2.446	510	96.100	2.446	510	96.100
50%	Vmax	4.146	510	96.370	4.146	510	96.370	4.146	510	96.370	4.146	510	96.360	4.146	510	96.370
75%	Vmax	5.34	510	96.400	5.341	510	96.400	5.34	510	96.400	5.34	510	96.410	5.34	510	96.410
100%	Vmax	7.24	510	96.250	7.241	510	96.250	7.241	510	96.250	7.241	510	96.250	7.241	510	96.250

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															