

Manufacturer: Aeconversion GmbH & Co. KG

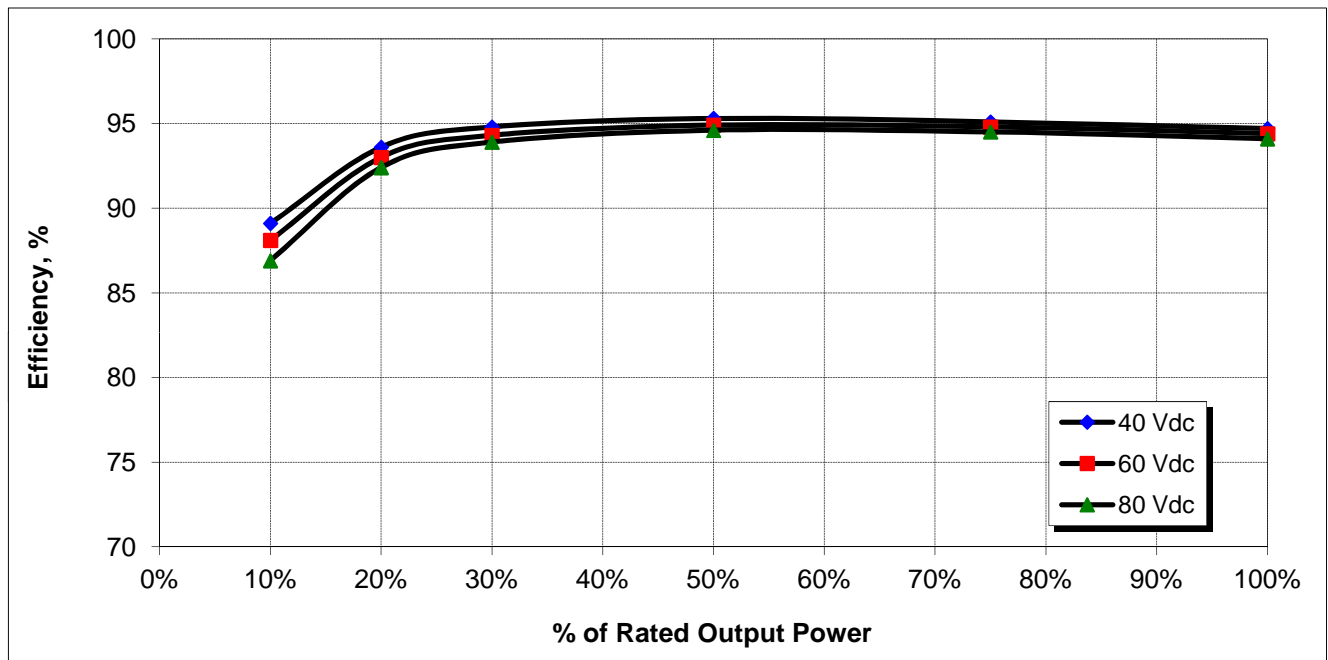
Model #: INV500-90US xxxxx (240V)

Rated Maximum Continuous Output Power: 0.4805 kW Night Tare Loss: 0.035 W

Vmin: 40 Vdc Vnom: 60 Vdc Vmax: 80 Vdc

Input Voltage (Vdc)		Power Level (%; kW)						Wtd
		10%	20%	30%	50%	75%	100%	
Vmin	40	89.1	93.6	94.8	95.3	95.1	94.7	94.8
Vnom	60	88.1	93.0	94.3	94.9	94.8	94.4	94.4
Vmax	80	86.9	92.4	93.9	94.6	94.5	94.1	94.0

CEC Efficiency = 94.5%



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	46.596	40	89.072	46.61	40	89.074	46.618	40	89.071	46.625	40	89.071	46.642	40	89.076
20%	Vmin	103.28	40	93.642	103.3	40	93.643	103.31	40	93.634	103.32	40	93.642	103.34	40	93.645
30%	Vmin	155.29	40	94.793	155.4	40	94.792	155.52	40	94.786	155.62	40	94.782	155.72	40	94.786
50%	Vmin	262.78	40	95.277	262.8	40	95.279	262.88	40	95.276	262.94	40	95.274	263	40	95.272
75%	Vmin	337.84	40	95.145	337.8	40	95.144	337.85	40	95.144	337.83	40	95.148	337.8	40	95.148
100%	Vmin	457.38	40	94.649	457.3	40	94.652	457.22	40	94.649	457.2	40	94.654	457.17	40	94.654
10%	Vnom	46.394	60	88.108	46.41	60	88.105	46.413	60	88.098	46.419	60	88.083	46.43	60	88.092
20%	Vnom	103.08	60	92.955	103.1	60	92.958	103.08	60	92.964	103.07	60	92.962	103.07	60	92.963
30%	Vnom	154.93	60	94.332	155	60	94.328	155.03	60	94.321	155.08	60	94.319	155.11	60	94.308
50%	Vnom	262.8	60	94.934	262.8	60	94.932	262.86	60	94.931	262.89	60	94.93	262.93	60	94.93
75%	Vnom	337.65	60	94.83	337.7	60	94.834	337.71	60	94.833	337.72	60	94.833	337.71	60	94.864
100%	Vnom	457.4	60	94.405	457.3	60	94.402	457.31	60	94.401	457.26	60	94.397	457.21	60	94.396
10%	Vmax	45.269	80	87.016	45.37	80	87.038	45.401	80	86.927	45.395	80	86.992	45.441	80	86.513
20%	Vmax	102.47	80	92.191	102.5	80	92.417	102.62	80	92.477	102.54	80	92.383	102.54	80	92.42
30%	Vmax	153.02	80	93.794	153.2	80	93.875	153.04	80	93.965	153.01	80	93.878	153.09	80	93.87
50%	Vmax	263	80	94.595	263.3	80	94.546	263.31	80	94.607	263.4	80	94.578	263.56	80	94.579
75%	Vmax	338.97	80	94.514	339.6	80	94.484	339.44	80	94.536	339.59	80	94.498	339.08	80	94.589
100%	Vmax	458.05	80	94.044	457.9	80	94.079	457.76	80	94.123	457.38	80	94.087	457.32	80	94.089

[illegible]