Manufacturer: Power-One, Inc.

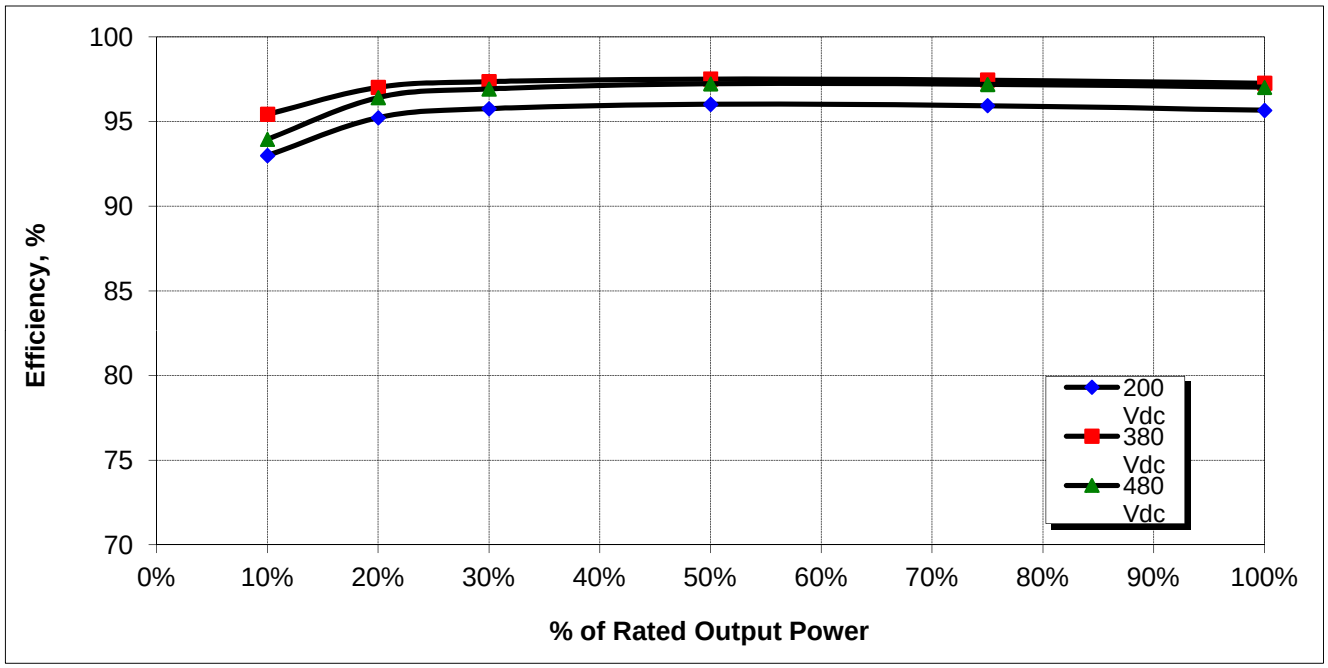
Model #: UNO-8.6-TL-OUTD-S-US-A @ 240Vac

Rated Maximum Continuous Output Power: 8.60 kW Night Tare Loss: 1.40 W

Vmin: 200 Vdc Vnom: 380 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.86	1.72	2.58	4.30	6.45	8.60	Wtd
Vmin	200	93.0	95.2	95.8	96.0	95.9	95.7	95.77
Vnom	380	95.4	97.0	97.4	97.5	97.5	97.3	97.34
Vmax	480	94.0	96.4	96.9	97.2	97.2	97.0	96.99

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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.835	199.720	92.983	0.835	199.720	93.003	0.835	199.730	92.989	0.835	199.733	92.989	0.835	199.740	92.984
20%	Vmin	1.862	199.673	95.224	1.862	199.663	95.231	1.862	199.680	95.228	1.862	199.673	95.232	1.862	199.693	95.227
30%	Vmin	2.762	199.630	95.759	2.761	199.627	95.763	2.761	199.627	95.762	2.762	199.633	95.761	2.762	199.637	95.763
50%	Vmin	4.690	199.593	96.015	4.691	199.583	96.022	4.691	199.590	96.022	4.691	199.573	96.022	4.691	199.577	96.015
75%	Vmin	6.180	199.630	95.948	6.179	199.613	95.942	6.179	199.630	95.942	6.179	199.610	95.947	6.179	199.627	95.942
100%	Vmin	8.220	199.437	95.670	8.219	199.420	95.666	8.219	199.430	95.659	8.219	199.403	95.670	8.218	199.413	95.658
10%	Vnom	0.848	380.730	95.429	0.849	380.747	95.429	0.849	380.750	95.429	0.849	380.743	95.425	0.848	380.717	95.437
20%	Vnom	1.878	380.547	97.025	1.877	380.567	97.018	1.878	380.553	97.022	1.878	380.543	97.022	1.878	380.557	97.025
30%	Vnom	2.784	380.323	97.360	2.784	380.317	97.365	2.784	380.327	97.361	2.784	380.320	97.362	2.785	380.317	97.360
50%	Vnom	4.701	379.793	97.518	4.701	379.790	97.515	4.701	379.780	97.517	4.701	379.800	97.518	4.701	379.800	97.517
75%	Vnom	6.198	379.367	97.453	6.198	379.370	97.443	6.198	379.347	97.448	6.199	379.360	97.448	6.199	379.360	97.453
100%	Vnom	8.251	378.723	97.265	8.251	378.717	97.265	8.252	378.723	97.269	8.250	378.720	97.265	8.250	378.740	97.265
10%	Vmax	0.829	480.990	93.954	0.829	481.000	93.947	0.829	480.983	93.950	0.831	480.987	93.967	0.831	480.987	93.960
20%	Vmax	1.857	480.827	96.413	1.856	480.847	96.413	1.856	480.860	96.409	1.858	480.840	96.413	1.857	480.857	96.413
30%	Vmax	2.758	480.650	96.929	2.759	480.673	96.927	2.759	480.663	96.922	2.760	480.650	96.928	2.760	480.660	96.927
50%	Vmax	4.685	480.263	97.230	4.683	480.257	97.230	4.684	480.270	97.231	4.685	480.273	97.236	4.686	480.280	97.231
75%	Vmax	6.153	479.990	97.199	6.152	479.977	97.188	6.153	479.980	97.193	6.152	479.973	97.188	6.153	479.980	97.199
100%	Vmax	8.201	479.453	97.023	8.201	479.463	97.026	8.200	479.453	97.022	8.200	479.457	97.022	8.200	479.440	97.026

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.835	199.737	92.987	0.835	199.720	92.998									
20%	Vmin	1.862	199.677	95.232	1.862	199.697	95.229									
30%	Vmin	2.762	199.637	95.767	2.762	199.630	95.764									
50%	Vmin	4.691	199.563	96.028	4.691	199.577	96.016									
75%	Vmin	6.179	199.613	95.942	6.179	199.637	95.932									
100%	Vmin	8.219	199.403	95.666	8.218	199.420	95.651									
10%	Vnom	0.848	380.740	95.420	0.848	380.737	95.433									
20%	Vnom	1.878	380.553	97.025	1.878	380.543	97.022									
30%	Vnom	2.784	380.313	97.365	2.785	380.317	97.360									
50%	Vnom	4.701	379.813	97.516	4.701	379.797	97.519									
75%	Vnom	6.199	379.370	97.458	6.198	379.360	97.458									
100%	Vnom	8.251	378.730	97.265	8.251	378.737	97.269									
10%	Vmax	0.829	480.993	93.950	0.829	480.967	93.949									
20%	Vmax	1.856	480.850	96.411	1.856	480.867	96.406									
30%	Vmax	2.759	480.653	96.924	2.759	480.660	96.925									
50%	Vmax	4.686	480.263	97.232	4.686	480.290	97.231									
75%	Vmax	6.152	479.973	97.193	6.152	479.980	97.203									
100%	Vmax	8.200	479.453	97.026	8.200	479.447	97.030									