Manufacturer: Power-One, Inc.

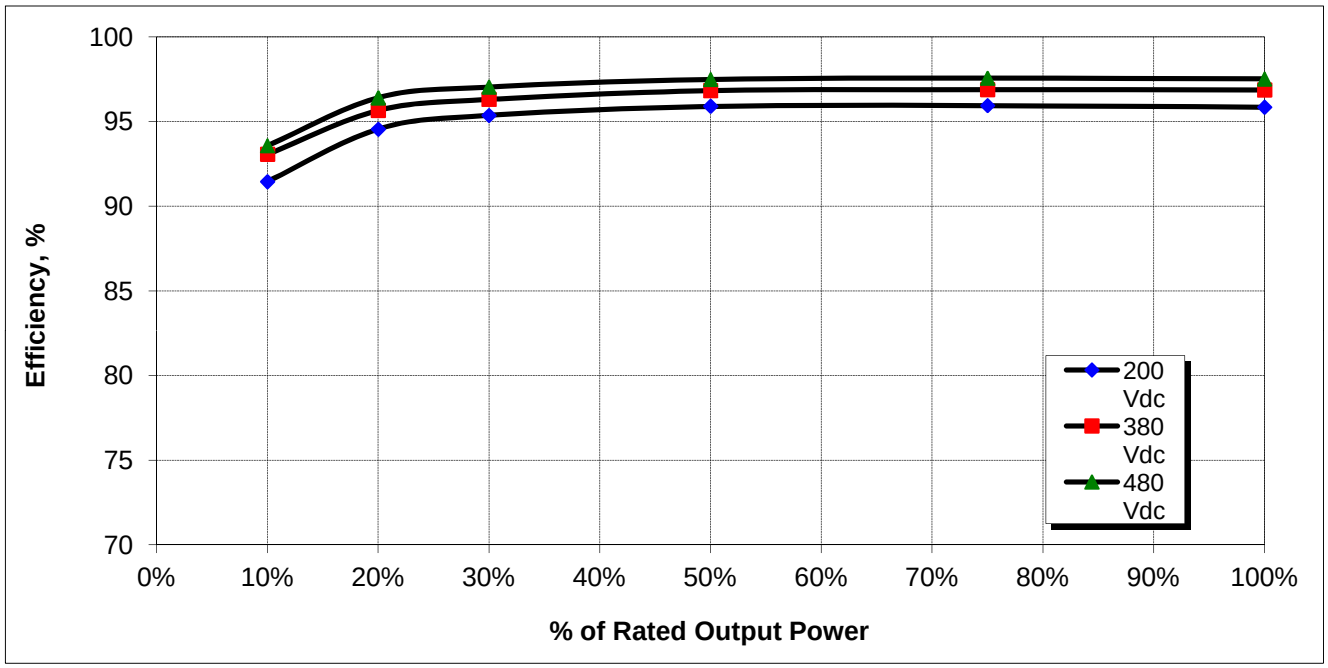
Model #: UNO-7.6-TL-OUTD-S-US-A @ 277Vac

Rated Maximum Continuous Output Power: 7.60 kW Night Tare Loss: 1.50 W

Vmin: 200 Vdc Vnom: 380 Vdc Vmax: 480 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	200	91.5	94.6	95.4	95.9	95.9	95.9	95.61
Vnom	380	93.1	95.7	96.3	96.8	96.9	96.9	96.59
Vmax	480	93.6	96.4	97.0	97.5	97.6	97.5	97.26

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	0.725	199.897	91.447	0.725	199.870	91.462	0.725	199.893	91.448	0.725	199.870	91.461	0.725	199.897	91.451
20%	Vmin	1.645	199.847	94.547	1.645	199.827	94.555	1.645	199.847	94.549	1.645	199.823	94.558	1.645	199.837	94.555
30%	Vmin	2.442	199.810	95.368	2.442	199.823	95.366	2.442	199.817	95.368	2.442	199.830	95.366	2.442	199.810	95.371
50%	Vmin	4.159	199.730	95.905	4.159	199.740	95.902	4.158	199.740	95.904	4.158	199.743	95.902	4.158	199.733	95.904
75%	Vmin	5.713	199.620	95.942	5.713	199.617	95.942	5.714	199.630	95.947	5.714	199.617	95.947	5.713	199.623	95.942
100%	Vmin	7.297	199.633	95.858	7.297	199.633	95.853	7.297	199.640	95.853	7.297	199.633	95.858	7.296	199.630	95.849
10%	Vnom	0.728	380.023	93.068	0.728	380.027	93.071	0.728	380.033	93.066	0.728	380.020	93.074	0.728	380.020	93.073
20%	Vnom	1.645	379.937	95.657	1.645	379.933	95.655	1.644	379.940	95.657	1.645	379.940	95.654	1.644	379.947	95.652
30%	Vnom	2.441	379.890	96.310	2.442	379.897	96.314	2.441	379.883	96.312	2.443	379.897	96.316	2.444	379.887	96.315
50%	Vnom	4.167	379.720	96.828	4.168	379.720	96.832	4.168	379.730	96.829	4.168	379.720	96.834	4.169	379.730	96.831
75%	Vnom	5.725	379.623	96.897	5.726	379.603	96.898	5.726	379.620	96.892	5.725	379.620	96.886	5.726	379.617	96.892
100%	Vnom	7.317	379.553	96.875	7.317	379.563	96.867	7.317	379.543	96.863	7.317	379.553	96.876	7.317	379.550	96.871
10%	Vmax	0.729	480.500	93.572	0.728	480.493	93.574	0.728	480.493	93.571	0.729	480.483	93.576	0.729	480.490	93.582
20%	Vmax	1.643	480.427	96.413	1.644	480.427	96.409	1.644	480.427	96.408	1.644	480.457	96.406	1.645	480.453	96.403
30%	Vmax	2.428	480.293	97.035	2.428	480.297	97.034	2.427	480.307	97.032	2.428	480.307	97.031	2.429	480.300	97.036
50%	Vmax	4.151	479.903	97.481	4.150	479.913	97.481	4.150	479.897	97.481	4.151	479.917	97.478	4.151	479.913	97.508
75%	Vmax	5.673	479.547	97.558	5.674	479.570	97.564	5.674	479.557	97.564	5.674	479.547	97.558	5.675	479.543	97.559
100%	Vmax	7.249	479.220	97.520	7.249	479.240	97.520	7.249	479.247	97.516	7.247	479.253	97.520	7.248	479.230	97.520

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	0.725	199.897	91.452	0.724	199.890	91.454									
20%	Vmin	1.645	199.823	94.560	1.645	199.840	94.550									
30%	Vmin	2.442	199.820	95.364	2.441	199.813	95.368									
50%	Vmin	4.159	199.737	95.902	4.159	199.737	95.903									
75%	Vmin	5.714	199.610	95.953	5.714	199.633	95.948									
100%	Vmin	7.296	199.623	95.844	7.296	199.637	95.844									
10%	Vnom	0.729	380.033	93.067	0.728	380.017	93.067									
20%	Vnom	1.645	379.943	95.653	1.644	379.943	95.654									
30%	Vnom	2.442	379.877	96.315	2.442	379.880	96.314									
50%	Vnom	4.168	379.730	96.833	4.169	379.743	96.830									
75%	Vnom	5.726	379.613	96.898	5.727	379.613	96.893									
100%	Vnom	7.317	379.550	96.871	7.317	379.543	96.875									
10%	Vmax	0.728	480.500	93.572	0.728	480.510	93.575									
20%	Vmax	1.644	480.420	96.408	1.644	480.433	96.404									
30%	Vmax	2.428	480.313	97.035	2.428	480.300	97.034									
50%	Vmax	4.151	479.920	97.512	4.151	479.920	97.513									
75%	Vmax	5.675	479.567	97.564	5.675	479.557	97.564									
100%	Vmax	7.249	479.227	97.520	7.248	479.243	97.528									