Manufacturer: Power-One, Inc.

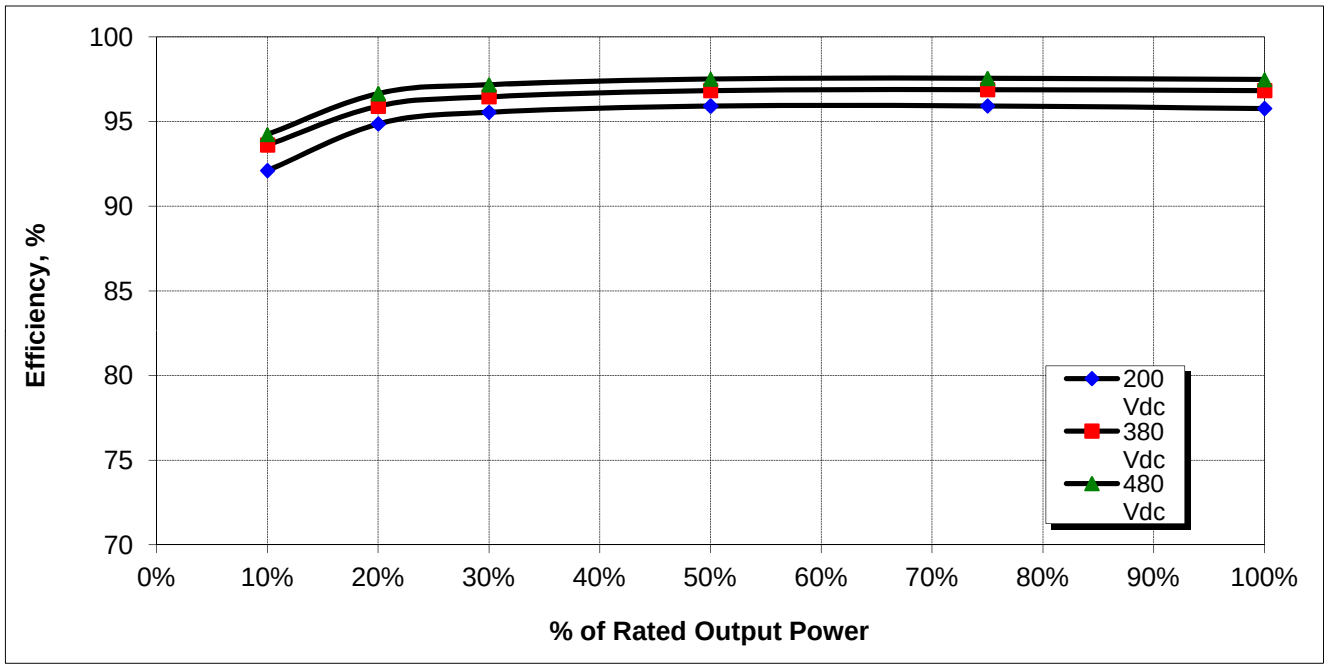
Model #: UNO-8.6-TL-OUTD-S-US-A @ 277Vac

Rated Maximum Continuous Output Power: 8.60 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)		0.86	1.72	2.58	4.30	6.45	8.60	Wtd
Vmin	200	92.1	94.9	95.6	95.9	95.9	95.8	95.67
Vnom	380	93.6	95.9	96.5	96.8	96.9	96.8	96.65
Vmax	480	94.2	96.7	97.2	97.5	97.6	97.5	97.32

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	0.830	199.847	92.106	0.830	199.847	92.110	0.830	199.853	92.107	0.830	199.853	92.112	0.829	199.867	92.112
20%	Vmin	1.871	199.830	94.858	1.871	199.820	94.865	1.871	199.833	94.858	1.871	199.827	94.862	1.871	199.820	94.859
30%	Vmin	2.765	199.733	95.559	2.766	199.750	95.551	2.765	199.730	95.556	2.765	199.760	95.553	2.765	199.740	95.558
50%	Vmin	4.702	199.633	95.914	4.702	199.627	95.927	4.702	199.640	95.914	4.702	199.627	95.920	4.701	199.637	95.906
75%	Vmin	6.196	199.623	95.923	6.196	199.610	95.933	6.196	199.633	95.928	6.196	199.613	95.928	6.196	199.640	95.928
100%	Vmin	8.252	199.663	95.783	8.252	199.667	95.775	8.251	199.670	95.775	8.252	199.673	95.775	8.251	199.670	95.775
10%	Vnom	0.833	379.963	93.622	0.832	379.970	93.617	0.831	379.947	93.614	0.831	379.970	93.609	0.832	379.967	93.616
20%	Vnom	1.873	379.917	95.912	1.873	379.910	95.918	1.873	379.940	95.912	1.873	379.937	95.912	1.873	379.933	95.914
30%	Vnom	2.775	379.813	96.467	2.775	379.813	96.463	2.775	379.823	96.463	2.774	379.837	96.465	2.775	379.840	96.465
50%	Vnom	4.713	379.677	96.833	4.711	379.673	96.832	4.711	379.650	96.834	4.712	379.640	96.848	4.712	379.653	96.835
75%	Vnom	6.210	379.560	96.905	6.211	379.573	96.890	6.211	379.553	96.890	6.211	379.577	96.890	6.210	379.570	96.900
100%	Vnom	8.277	379.627	96.830	8.278	379.627	96.838	8.277	379.630	96.833	8.277	379.617	96.837	8.276	379.603	96.837
10%	Vmax	0.833	480.503	94.239	0.833	480.500	94.240	0.832	480.493	94.235	0.832	480.490	94.238	0.832	480.493	94.237
20%	Vmax	1.863	480.377	96.651	1.862	480.373	96.650	1.863	480.373	96.653	1.863	480.377	96.650	1.863	480.370	96.654
30%	Vmax	2.756	480.270	97.175	2.755	480.263	97.172	2.755	480.257	97.174	2.756	480.273	97.173	2.756	480.263	97.174
50%	Vmax	4.690	479.813	97.509	4.691	479.800	97.514	4.690	479.797	97.511	4.690	479.803	97.516	4.689	479.800	97.512
75%	Vmax	6.152	479.460	97.558	6.154	479.483	97.564	6.153	479.470	97.553	6.154	479.473	97.554	6.154	479.460	97.554
100%	Vmax	8.209	479.033	97.475	8.209	479.027	97.481	8.209	479.013	97.479	8.209	479.030	97.478	8.209	479.047	97.476

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	0.829	199.870	92.106	0.829	199.863	92.103									
20%	Vmin	1.871	199.803	94.864	1.871	199.800	94.860									
30%	Vmin	2.765	199.760	95.552	2.765	199.747	95.560									
50%	Vmin	4.701	199.637	95.919	4.702	199.647	95.920									
75%	Vmin	6.196	199.613	95.933	6.196	199.623	95.923									
100%	Vmin	8.251	199.677	95.771	8.250	199.657	95.767									
10%	Vnom	0.832	379.983	93.610	0.831	379.967	93.609									
20%	Vnom	1.873	379.927	95.916	1.873	379.920	95.916									
30%	Vnom	2.774	379.833	96.465	2.774	379.837	96.462									
50%	Vnom	4.712	379.643	96.835	4.712	379.643	96.835									
75%	Vnom	6.210	379.580	96.895	6.210	379.570	96.910									
100%	Vnom	8.277	379.610	96.833	8.277	379.617	96.833									
10%	Vmax	0.831	480.507	94.228	0.832	480.517	94.227									
20%	Vmax	1.863	480.387	96.652	1.862	480.367	96.649									
30%	Vmax	2.754	480.263	97.171	2.757	480.267	97.175									
50%	Vmax	4.691	479.807	97.512	4.690	479.813	97.518									
75%	Vmax	6.155	479.483	97.554	6.155	479.457	97.559									
100%	Vmax	8.209	479.040	97.479	8.209	479.033	97.479									