Manufacturer: ABB, Inc.

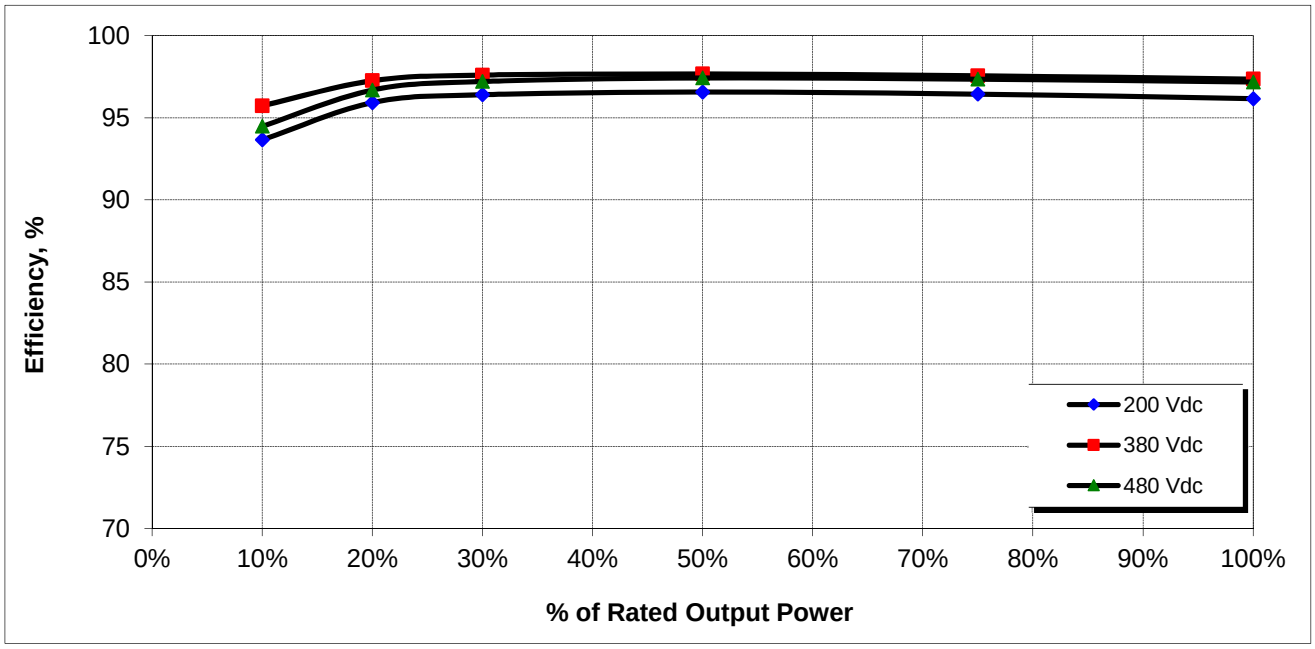
Model #: UNO-8.6-TL-OUTD-S-US-A (240)

Rated Maximum Continuous Output Power @25°C: 8.6 kW Night Tare Loss: -1.4 W
Rated Maximum Continuous Output Power @40°C: 8.6 kW Night Tare Loss: -1.4 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	93.7	95.9	96.4	96.6	96.4	96.2	96.3
Vnom	380	95.7	97.3	97.6	97.7	97.6	97.4	97.5
Vmax	480	94.5	96.7	97.2	97.4	97.4	97.2	97.2

CEC Efficiency = 97.0%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	850	200	93.65	850	200	93.65	850	200	93.66	850	200	93.65	850	200	93.66
20%	Vmin	1880	200	95.93	1880	200	95.93	1880	200	95.92	1880	200	95.93	1879	200	95.93
30%	Vmin	2780	200	96.41	2780	200	96.41	2780	200	96.40	2780	200	96.41	2780	200	96.40
50%	Vmin	4716	200	96.58	4716	200	96.58	4716	200	96.57	4716	200	96.58	4716	200	96.56
75%	Vmin	6026	200	96.44	6026	200	96.45	6026	200	96.44	6026	200	96.45	6026	200	96.45
100%	Vmin	8181	200	96.17	8181	200	96.16	8182	200	96.16	8182	200	96.16	8182	200	96.17
10%	Vnom	846	380	95.74	847	380	95.74	847	380	95.73	846	380	95.74	846	380	95.74
20%	Vnom	1877	380	97.26	1877	380	97.26	1877	380	97.26	1876	380	97.26	1877	380	97.26
30%	Vnom	2782	380	97.60	2782	380	97.60	2782	380	97.60	2782	380	97.60	2782	380	97.60
50%	Vnom	4714	379	97.69	4714	379	97.67	4714	379	97.66	4715	379	97.67	4715	379	97.67
75%	Vnom	6026	379	97.56	6026	379	97.57	6026	379	97.56	6025	379	97.57	6025	379	97.57
100%	Vnom	8178	378	97.36	8179	378	97.36	8180	378	97.37	8179	378	97.36	8180	378	97.37
10%	Vmax	855	480	94.49	855	480	94.49	854	480	94.49	854	480	94.49	853	480	94.49
20%	Vmax	1880	480	96.69	1881	480	96.70	1881	480	96.69	1880	480	96.69	1880	480	96.69
30%	Vmax	2787	480	97.21	2787	480	97.21	2786	480	97.21	2787	480	97.21	2787	480	97.21
50%	Vmax	4720	479	97.43	4720	479	97.43	4719	479	97.43	4719	479	97.43	4719	479	97.43
75%	Vmax	6032	479	97.34	6031	479	97.36	6031	479	97.36	6030	479	97.35	6030	479	97.35
100%	Vmax	8185	479	97.17	8184	479	97.17	8184	479	97.17	8184	479	97.18	8184	479	97.18

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	850	200	93.65	850	200	93.66									
20%	Vmin	1880	200	95.92	1880	200	95.93									
30%	Vmin	2780	200	96.41	2780	200	96.40									
50%	Vmin	4716	200	96.56	4716	200	96.58									
75%	Vmin	6026	200	96.44	6027	200	96.45									
100%	Vmin	8182	200	96.17	8183	200	96.17									
10%	Vnom	847	380	95.73	847	380	95.74									
20%	Vnom	1877	380	97.26	1877	380	97.26									
30%	Vnom	2782	380	97.60	2782	380	97.60									
50%	Vnom	4715	379	97.68	4715	379	97.68									
75%	Vnom	6026	379	97.56	6026	379	97.57									
100%	Vnom	8179	378	97.37	8179	378	97.37									
10%	Vmax	854	480	94.49	854	480	94.49									
20%	Vmax	1881	480	96.69	1881	480	96.69									
30%	Vmax	2787	480	97.21	2788	480	97.21									
50%	Vmax	4719	479	97.43	4718	479	97.43									
75%	Vmax	6030	479	97.35	6030	479	97.35									
100%	Vmax	8184	479	97.17	8184	479	97.17									