Manufacturer: ABB

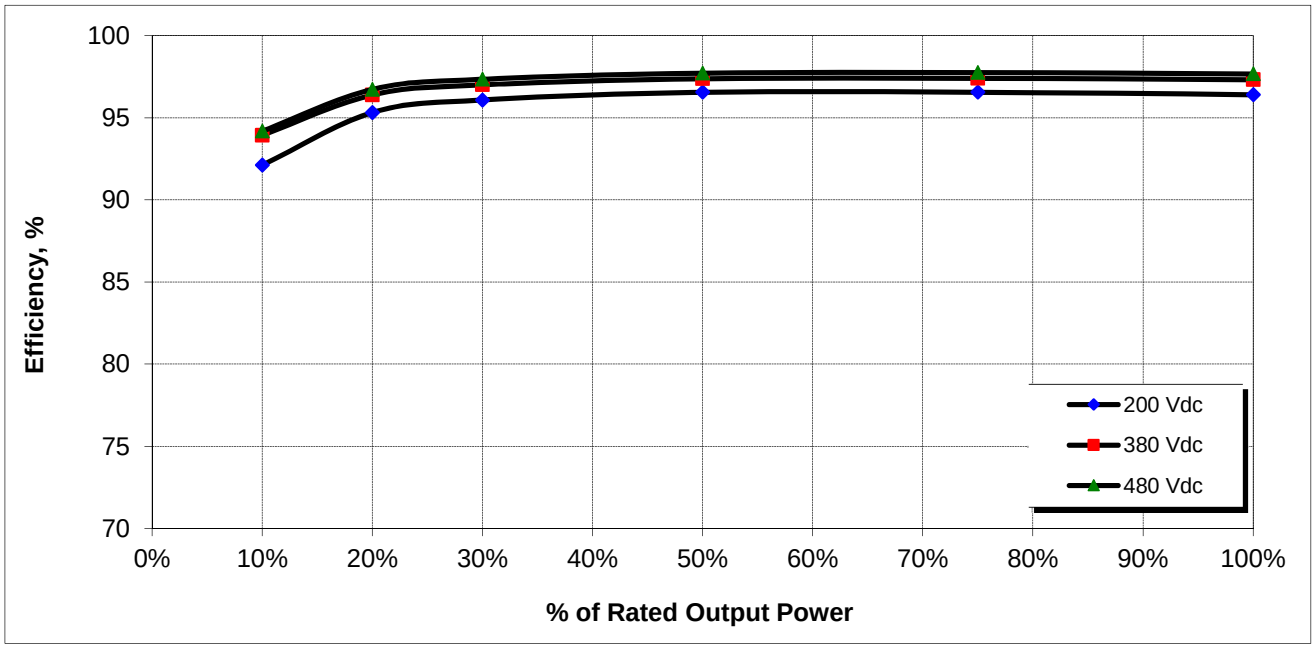
Model #: UNO-7.6-TL-OUTD-S-US-A (277)

Rated Maximum Continuous Output Power @25°C: 7.6 kW Night Tare Loss: -1.5 W
Rated Maximum Continuous Output Power @40°C: 7.6 kW Night Tare Loss: -1.5 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	92.1	95.3	96.1	96.6	96.6	96.4	96.3
Vnom	380	93.9	96.4	97.0	97.4	97.4	97.3	97.2
Vmax	480	94.2	96.7	97.3	97.7	97.7	97.7	97.5

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	745	200	92.12	745	200	92.10	745	200	92.13	745	200	92.10	745	200	92.13
20%	Vmin	1660	200	95.33	1659	200	95.32	1660	200	95.33	1659	200	95.31	1660	200	95.32
30%	Vmin	2455	200	96.09	2455	200	96.08	2455	200	96.09	2455	200	96.08	2455	200	96.09
50%	Vmin	4168	200	96.56	4167	200	96.56	4168	200	96.56	4168	200	96.56	4168	200	96.56
75%	Vmin	5487	200	96.56	5488	200	96.56	5487	200	96.56	5488	200	96.56	5487	200	96.56
100%	Vmin	7225	200	96.41	7226	200	96.41	7226	200	96.42	7226	200	96.40	7226	200	96.41
10%	Vnom	745	380	93.94	745	380	93.93	745	380	93.96	745	380	93.92	745	380	93.95
20%	Vnom	1661	380	96.39	1661	380	96.40	1661	380	96.39	1661	380	96.39	1661	380	96.40
30%	Vnom	2461	380	97.01	2460	380	97.01	2459	380	97.00	2460	380	97.01	2460	380	97.00
50%	Vnom	4165	380	97.38	4165	380	97.38	4166	380	97.38	4165	380	97.38	4164	380	97.38
75%	Vnom	5484	380	97.40	5484	380	97.42	5484	380	97.40	5485	380	97.40	5485	380	97.40
100%	Vnom	7232	380	97.32	7232	380	97.32	7231	380	97.32	7232	380	97.32	7231	380	97.33
10%	Vmax	751	480	94.18	751	480	94.18	752	480	94.19	752	480	94.19	752	480	94.19
20%	Vmax	1664	480	96.73	1663	480	96.73	1663	480	96.73	1664	480	96.73	1664	480	96.73
30%	Vmax	2464	480	97.35	2464	480	97.34	2464	480	97.35	2464	480	97.35	2464	480	97.35
50%	Vmax	4173	479	97.72	4173	479	97.72	4173	479	97.72	4174	479	97.72	4174	479	97.72
75%	Vmax	5488	479	97.75	5488	479	97.75	5488	479	97.75	5487	479	97.76	5487	479	97.75
100%	Vmax	7225	479	97.66	7225	479	97.67	7225	479	97.67	7225	479	97.68	7225	479	97.67

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	746	200	92.11	746	200	92.13									
20%	Vmin	1660	200	95.32	1659	200	95.32									
30%	Vmin	2455	200	96.08	2455	200	96.09									
50%	Vmin	4168	200	96.56	4168	200	96.56									
75%	Vmin	5488	200	96.57	5488	200	96.56									
100%	Vmin	7226	200	96.40	7226	200	96.41									
10%	Vnom	744	380	93.93	744	380	93.95									
20%	Vnom	1661	380	96.39	1662	380	96.41									
30%	Vnom	2460	380	97.01	2460	380	97.01									
50%	Vnom	4165	380	97.39	4164	380	97.39									
75%	Vnom	5485	380	97.41	5484	380	97.40									
100%	Vnom	7232	380	97.32	7232	380	97.33									
10%	Vmax	752	480	94.20	753	480	94.20									
20%	Vmax	1664	480	96.73	1664	480	96.74									
30%	Vmax	2464	480	97.35	2465	480	97.35									
50%	Vmax	4174	479	97.72	4174	479	97.72									
75%	Vmax	5487	479	97.75	5487	479	97.74									
100%	Vmax	7224	479	97.67	7224	479	97.67									