Manufacturer: ABB

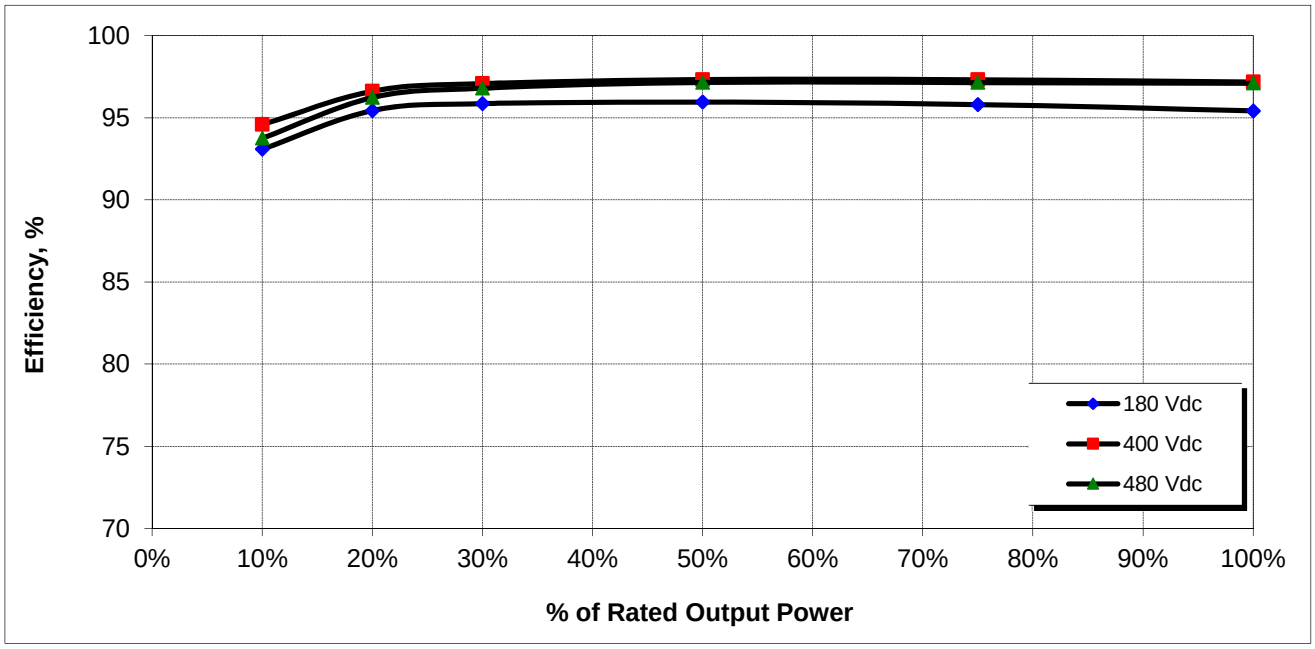
Model #: UNO-3.0-TL-OUTD-S-US-A (240V)

Rated Maximum Continuous Output Power @25°C: 3.0 kW Night Tare Loss: -0.15 W
Rated Maximum Continuous Output Power @40°C: 3.0 kW Night Tare Loss: -0.15 W

Vmin: 180 Vdc Vnom: 400 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.60	0.90	1.50	2.25	3.00	Wtd
Vmin	180	93.1	95.4	95.9	96.0	95.8	95.4	95.7
Vnom	400	94.6	96.6	97.1	97.3	97.3	97.2	97.1
Vmax	480	93.8	96.2	96.8	97.2	97.1	97.1	96.9

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	298	180	93.09	298	180	93.10	298	180	93.10	298	180	93.10	298	180	93.09
20%	Vmin	658	180	95.44	657	180	95.44	658	180	95.44	658	180	95.43	658	180	95.44
30%	Vmin	963	180	95.87	963	180	95.86	964	180	95.87	964	180	95.86	964	180	95.86
50%	Vmin	1588	180	95.95	1589	180	95.96	1589	180	95.96	1589	180	95.96	1588	180	95.96
75%	Vmin	2104	181	95.82	2104	181	95.81	2104	181	95.81	2104	181	95.81	2104	181	95.81
100%	Vmin	2856	181	95.42	2856	181	95.42	2856	181	95.42	2856	181	95.42	2856	181	95.42
10%	Vnom	299	400	94.58	300	400	94.60	299	400	94.59	299	400	94.59	300	400	94.59
20%	Vnom	658	400	96.62	658	400	96.62	658	400	96.62	658	400	96.63	658	400	96.62
30%	Vnom	967	400	97.08	966	400	97.09	966	400	97.09	967	400	97.09	966	400	97.09
50%	Vnom	1589	400	97.33	1589	400	97.33	1589	400	97.33	1589	400	97.33	1589	400	97.33
75%	Vnom	2104	400	97.32	2104	400	97.32	2104	400	97.32	2104	400	97.32	2104	400	97.32
100%	Vnom	2857	400	97.19	2857	400	97.19	2857	400	97.19	2857	400	97.19	2857	401	97.19
10%	Vmax	298	480	93.76	297	480	93.75	298	480	93.76	298	480	93.75	297	480	93.75
20%	Vmax	659	480	96.23	659	480	96.24	660	480	96.23	659	480	96.23	659	480	96.23
30%	Vmax	967	480	96.81	966	480	96.80	966	480	96.81	966	480	96.80	967	480	96.80
50%	Vmax	1589	480	97.16	1589	480	97.16	1589	480	97.16	1590	480	97.15	1590	480	97.16
75%	Vmax	2299	480	97.14	2299	480	97.14	2299	480	97.15	2300	480	97.15	2299	480	97.14
100%	Vmax	2856	481	97.10	2856	481	97.10	2856	481	97.10	2856	481	97.10	2856	481	97.10

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	298	180	93.09	298	180	93.09									
20%	Vmin	658	180	95.43	658	180	95.44									
30%	Vmin	963	180	95.86	963	180	95.87									
50%	Vmin	1588	180	95.96	1588	180	95.96									
75%	Vmin	2104	181	95.81	2104	181	95.81									
100%	Vmin	2856	181	95.42	2856	181	95.42									
10%	Vnom	300	400	94.60	299	400	94.59									
20%	Vnom	658	400	96.63	658	400	96.62									
30%	Vnom	967	400	97.09	967	400	97.09									
50%	Vnom	1589	400	97.33	1589	400	97.33									
75%	Vnom	2104	400	97.32	2103	400	97.32									
100%	Vnom	2857	400	97.19	2857	400	97.19									
10%	Vmax	297	480	93.75	298	480	93.76									
20%	Vmax	659	480	96.23	659	480	96.23									
30%	Vmax	966	480	96.80	966	480	96.81									
50%	Vmax	1590	480	97.15	1589	480	97.15									
75%	Vmax	2299	480	97.15	2299	480	97.15									
100%	Vmax	2856	481	97.10	2856	481	97.10									