Manufacturer: Schneider Electric

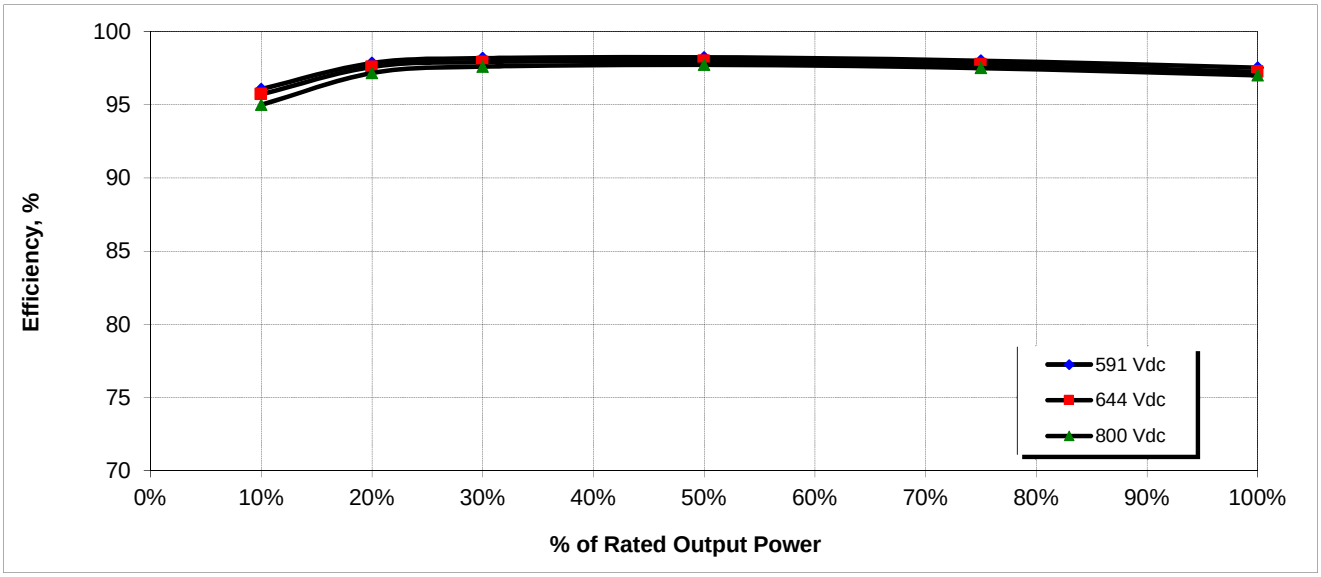
Model #: XC733-NA

Rated Maximum Continuous Output Power: 730.9 kW Night Tare Loss: 203 W

Vmin: 591 Vdc Vnom: 644 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		73.09	146.18	219.27	365.45	548.18	730.90	Wtd
Vmin	591	96.08	97.85	98.18	98.25	98.02	97.53	97.98
Vnom	644	95.72	97.59	97.92	98.00	97.76	97.25	97.71
Vmax	800	94.99	97.17	97.61	97.73	97.52	97.00	97.43

CEC Efficiency of Inverter and ABB EcoDry Ultra 24kV MV Transformer = 97.5%



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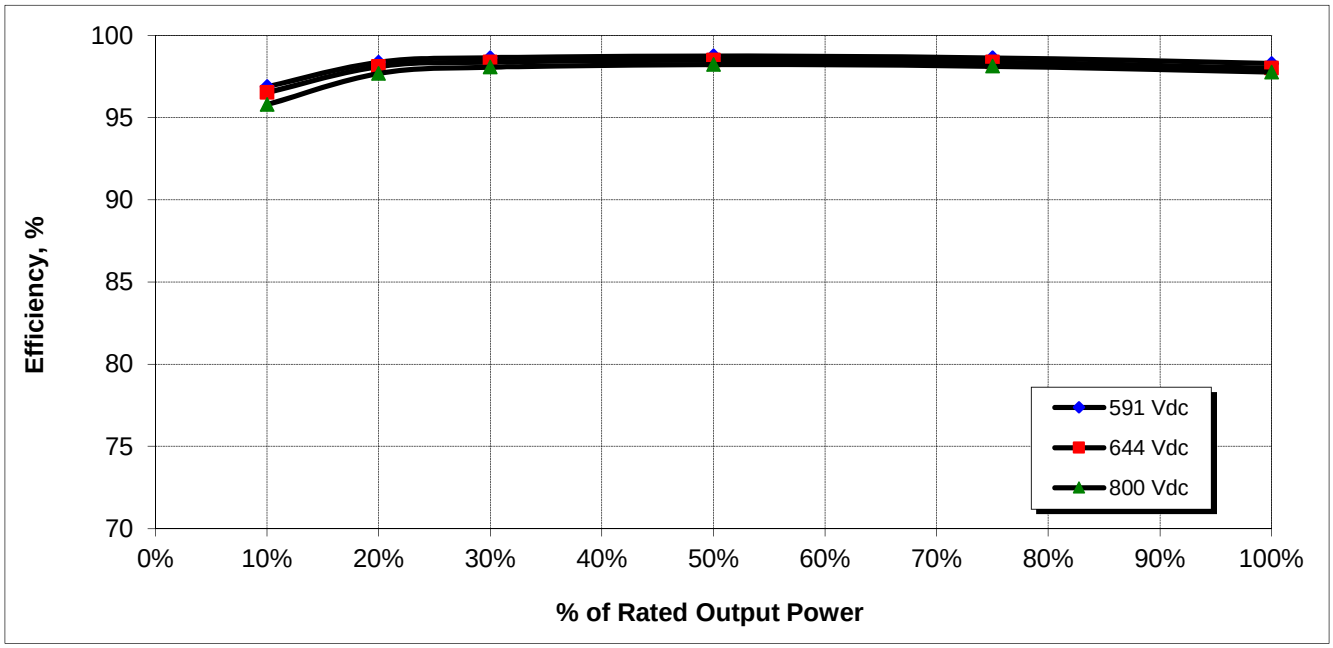
		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		73.09	146.18	219.27	365.45	548.18	730.90	Wtd
Vmin	591	96.89	98.37	98.65	98.75	98.64	98.30	98.57
Vnom	644	96.53	98.11	98.38	98.50	98.38	98.01	98.30
Vmax	800	95.80	97.69	98.07	98.23	98.13	97.77	98.01

Inverter Efficiency only = 98.5%



800kVA ABB EcoDry Ultra 24kV MV Transformer Efficiency

	Power Level (%; kW)						
	10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)	73.09	146.18	219.27	365.45	548.18	730.90	Wtd
Vmin	99.16	99.47	99.53	99.49	99.37	99.22	99.40
Vnom	99.16	99.47	99.53	99.49	99.37	99.22	99.40
Vmax	99.16	99.47	99.53	99.49	99.37	99.22	99.40

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	69514.2	592.0	96.9	69548.5	592.0	96.9	69590.7	592.0	96.9	69626.7	592.0	96.9	69583.1	592.0	96.9
20%	Vmin	154783.1	592.7	98.4	154886.8	592.7	98.4	154738.6	592.7	98.4	154783.6	592.7	98.4	154746.1	592.7	98.4
30%	Vmin	231432.6	592.5	98.6	231336.4	592.5	98.6	231411.1	592.5	98.6	231442.4	592.5	98.7	231378.8	592.5	98.6
50%	Vmin	395944.0	592.1	98.7	396020.6	592.1	98.7	395991.8	592.1	98.8	395805.9	592.1	98.8	395948.4	592.1	98.7
75%	Vmin	525058.3	592.7	98.6	525021.7	592.7	98.6	524879.1	592.7	98.6	524861.2	592.7	98.6	524864.9	592.7	98.6
100%	Vmin	703464.8	408.1	98.3	703515.5	408.1	98.3	703239.1	408.2	98.3	703378.8	408.1	98.3	703481.1	408.1	98.3
10%	Vnom	71108.2	647.6	96.5	71096.5	647.6	96.6	71085.0	647.6	96.5	71104.4	647.6	96.5	71075.2	647.6	96.5
20%	Vnom	154304.3	647.4	98.1	154298.7	647.4	98.1	154328.5	647.4	98.1	154329.7	647.4	98.1	154359.1	647.4	98.1
30%	Vnom	232072.2	647.2	98.4	232090.9	647.2	98.4	232055.0	647.2	98.4	232098.8	647.2	98.4	232119.2	647.2	98.4
50%	Vnom	396046.2	646.8	98.5	396049.1	646.8	98.5	396044.5	646.8	98.5	396053.9	646.8	98.5	396037.4	646.8	98.5
75%	Vnom	525025.4	646.4	98.4	525020.5	646.4	98.4	525026.6	646.4	98.4	525001.1	646.4	98.4	524998.4	646.3	98.4
100%	Vnom	702774.8	646.1	98.0	702762.2	646.1	98.0	702782.9	646.1	98.0	702807.6	646.1	98.0	702810.9	646.1	98.0
10%	Vmax	70940.4	801.0	95.8	70949.7	801.0	95.8	70901.6	801.0	95.8	70891.8	801.0	95.8	70897.9	801.0	95.8
20%	Vmax	154337.7	798.9	97.7	154327.8	798.9	97.7	154339.7	798.9	97.7	154346.6	798.9	97.7	154348.1	798.9	97.7
30%	Vmax	231099.3	801.6	98.1	231099.7	801.6	98.1	231091.0	801.7	98.1	231085.2	801.7	98.1	231077.1	801.6	98.1
50%	Vmax	395631.6	801.4	98.2	395641.6	801.4	98.2	395617.0	801.4	98.2	395651.3	801.4	98.2	395656.1	801.4	98.2
75%	Vmax	524215.6	801.1	98.1	524225.1	801.1	98.1	524227.6	801.1	98.1	524211.4	801.1	98.1	524280.5	801.1	98.1
100%	Vmax	703740.6	801.7	97.8	703778.8	801.7	97.8	703723.3	801.8	97.8	703752.9	801.8	97.8	703734.3	801.8	97.8

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	69526.3	592.0	96.9	69452.1	592.0	96.9									
20%	Vmin	154775.6	592.7	98.4	154795.7	592.7	98.4									
30%	Vmin	231433.3	592.5	98.7	231426.6	592.5	98.7									
50%	Vmin	396119.7	592.1	98.8	396064.5	592.1	98.8									
75%	Vmin	525031.6	592.7	98.6	525134.3	592.7	98.7									
100%	Vmin	703320.3	408.1	98.3	703477.2	408.1	98.3									
10%	Vnom	71082.6	647.6	96.6	71079.6	647.6	96.5									
20%	Vnom	154332.5	647.4	98.1	154311.8	647.4	98.1									
30%	Vnom	232107.8	647.2	98.4	232081.4	647.2	98.4									
50%	Vnom	396059.0	646.8	98.5	396070.2	646.8	98.5									
75%	Vnom	524979.0	646.3	98.4	525007.3	646.4	98.4									
100%	Vnom	702790.2	646.1	98.0	702799.5	646.1	98.0									
10%	Vmax	70914.8	801.0	95.8	70904.0	801.0	95.8									
20%	Vmax	154343.7	798.9	97.7	154343.8	798.9	97.7									
30%	Vmax	231070.3	801.7	98.1	231120.0	801.7	98.1									
50%	Vmax	395639.4	801.4	98.2	395639.3	801.4	98.2									
75%	Vmax	524234.2	801.1	98.1	524224.0	801.1	98.1									
100%	Vmax	703747.8	801.7	97.8	703780.3	801.7	97.8									