Manufacturer: Eaton Corporation

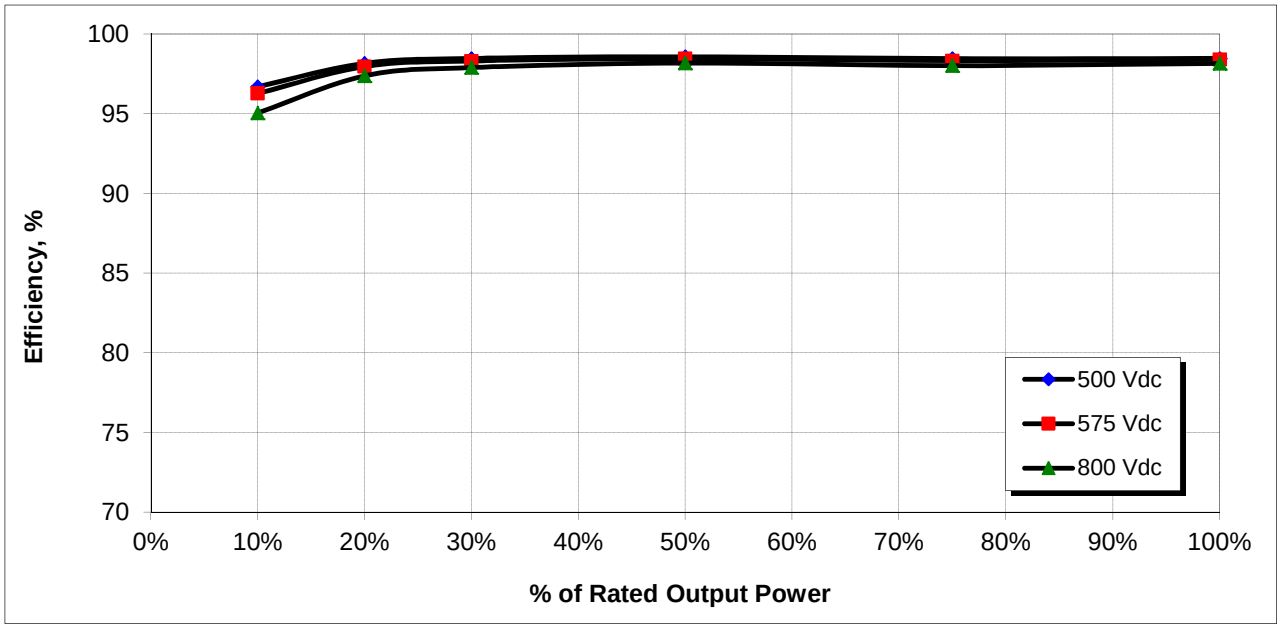
Model #: Xpert1500

Rated Maximum Continuous Output Power: 1500.96 kW Night Tare Loss: 332.50 W

Vmin: 500 Vdc Vnom: 575 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		150.10	300.19	450.29	750.48	1125.72	1500.96	Wtd
Vmin	500	96.7	98.2	98.5	98.6	98.5	98.5	98.4
Vnom	575	96.3	98.0	98.3	98.5	98.3	98.4	98.3
Vmax	800	95.1	97.4	97.9	98.2	98.0	98.2	97.9

CEC Efficiency = 98.0%



All Efficiency data is within 3 standard deviations from the average? Pass

All input power levels are within tolerances during Efficiency Test? Pass

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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	134.36	501.4	96.704	134.4	501.4	96.733	134.3	501.5	96.689	134.3	501.5	96.696	134.4	501.5	96.718
20%	Vmin	298.6	501.3	98.191	298.4	501.3	98.158	298.4	501.4	98.158	298.3	501.3	98.157	298.4	501.4	98.158
30%	Vmin	450.7	501.3	98.449	451	501.2	98.515	450.8	501.3	98.471	450.8	501.3	98.471	450.9	501.2	98.471
50%	Vmin	791.5	500.7	98.592	791.2	500.6	98.567	791.3	500.7	98.580	791.4	500.7	98.592	791.2	500.7	98.567
75%	Vmin	1150.5	501.3	98.443	1151	501.2	98.460	1150	501.3	98.476	1151	501.3	98.468	1151	501.3	98.468
100%	Vmin	1504.8	499.9	98.488	1505	500	98.488	1505	499.9	98.469	1505	499.9	98.462	1505	499.9	98.482
10%	Vnom	134.24	577.5	96.202	134.3	577.6	96.294	134.5	577.6	96.311	134.4	577.6	96.315	134.4	577.6	96.274
20%	Vnom	298.6	577.3	97.998	298.5	577.3	97.965	298.3	577.3	97.932	298.4	577.4	97.932	298.6	577.4	97.998
30%	Vnom	450.8	576.2	98.321	450.8	576.2	98.299	450.8	576.2	98.342	450.9	576.2	98.300	450.9	576.3	98.321
50%	Vnom	791.4	578.7	98.482	791.3	578.7	98.457	791.2	578.7	98.457	791.2	578.8	98.457	791.3	578.8	98.482
75%	Vnom	1150.8	577.4	98.351	1151	577.4	98.333	1151	577.5	98.333	1151	577.4	98.333	1151	577.6	98.334
100%	Vnom	1504.9	578.2	98.411	1505	578.1	98.417	1505	578.1	98.411	1505	578.2	98.417	1505	578.2	98.417
10%	Vmax	134.33	800.8	95.013	134.3	800.8	94.978	134.4	800.7	95.083	134.4	800.7	95.117	134.4	800.8	95.070
20%	Vmax	298.4	801.2	97.389	298.3	801.3	97.356	298.5	801.3	97.422	298.3	801.3	97.356	298.4	801.2	97.389
30%	Vmax	450.8	801.2	97.915	450.7	801.3	97.893	450.7	801.1	97.893	450.7	801.1	97.914	450.7	801.1	97.893
50%	Vmax	791.7	800.8	98.189	791.7	800.8	98.201	791.4	800.7	98.189	791.5	800.7	98.177	791.5	800.8	98.177
75%	Vmax	1151.1	800.4	98.016	1151	800.5	98.033	1151	800.5	98.007	1151	800.5	98.016	1151	800.5	98.033
100%	Vmax	1504.5	798.9	98.160	1505	799.1	98.160	1505	798.9	98.167	1505	799	98.160	1505	799	98.167

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															