Manufacturer: Eaton Corporation

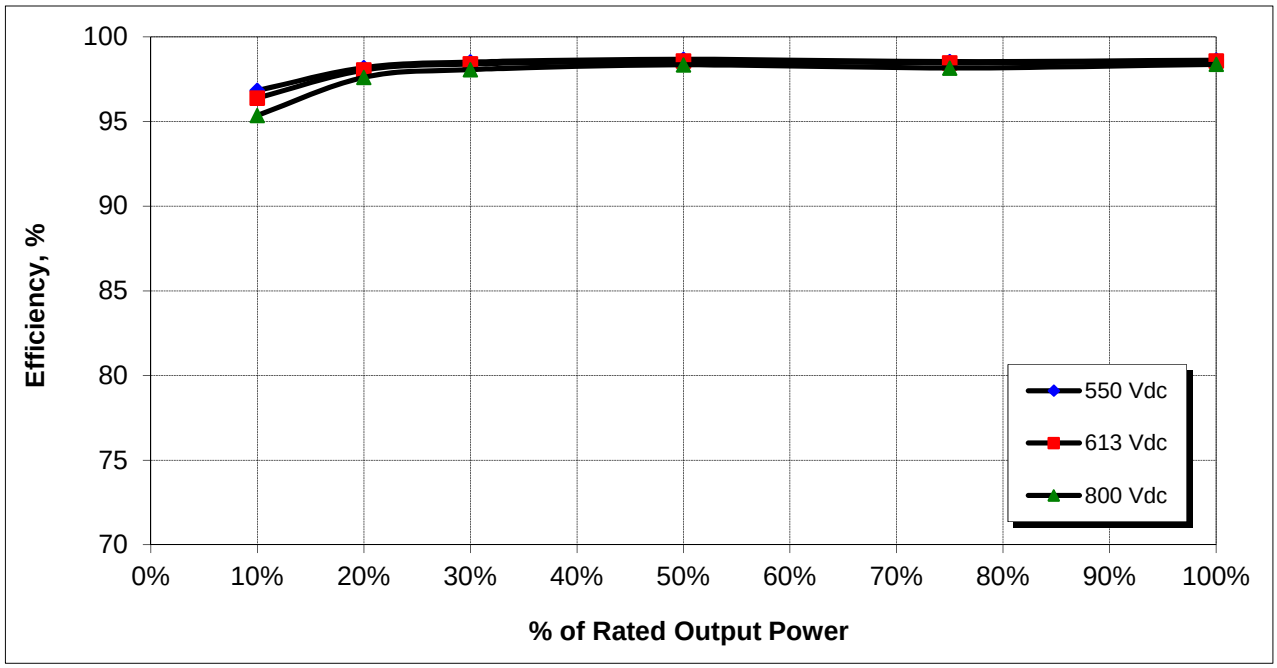
Model #: Xpert1670

Rated Maximum Continuous Output Power: 1671.47 kW Night Tare Loss: 334.42 W

Vmin: 550 Vdc Vnom: 613 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		167.15	334.29	501.44	835.74	1253.60	1671.47	Wtd
Vmin	550	96.8	98.2	98.5	98.7	98.5	98.6	98.5
Vnom	613	96.4	98.0	98.4	98.6	98.5	98.6	98.4
Vmax	800	95.4	97.6	98.1	98.3	98.2	98.4	98.1

CEC Efficiency = 98.5%



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	149.49	551.5	96.814	149.5	551.4	96.808	149.5	551.5	96.852	149.5	551.5	96.845	149.5	551.5	96.846
20%	Vmin	332.4	551.2	98.227	332.2	551.2	98.168	332.1	551.2	98.138	332.1	551.2	98.138	332.4	551.2	98.227
30%	Vmin	498.5	551.7	98.498	498.6	551.8	98.499	498.6	551.7	98.518	498.6	551.8	98.499	498.7	551.9	98.538
50%	Vmin	882.1	551.4	98.680	882	551.3	98.669	882.3	551.3	98.669	882	551.4	98.658	882.1	551.4	98.680
75%	Vmin	1280.4	551.9	98.538	1280	551.8	98.530	1280	551.9	98.538	1281	551.8	98.546	1281	551.9	98.545
100%	Vmin	1674.5	551	98.616	1675	551.1	98.628	1675	551.1	98.628	1675	551.1	98.622	1675	551.2	98.628
10%	Vnom	149.6	615.4	96.516	149.3	615.4	96.303	149.4	615.4	96.349	149.4	615.4	96.381	149.4	615.5	96.387
20%	Vnom	332.3	615.1	98.024	332.3	615.1	98.024	332.3	615	98.024	332.5	615.1	98.083	332.3	615.3	98.024
30%	Vnom	498.7	615.8	98.402	498.6	616	98.401	498.6	615.8	98.401	498.7	615.9	98.382	498.7	616	98.382
50%	Vnom	882.1	616.3	98.570	881.9	616.3	98.558	882.4	616.4	98.592	882.2	616.4	98.570	882.1	616.3	98.570
75%	Vnom	1280.6	616	98.470	1281	616	98.470	1280	616.1	98.470	1280	616	98.469	1281	616.1	98.447
100%	Vnom	1674.7	615.2	98.552	1675	615.2	98.564	1675	615.3	98.564	1675	615.2	98.570	1675	615.4	98.570
10%	Vmax	149.53	800.4	95.449	149.4	800.4	95.403	149.2	800.4	95.270	149.4	800.2	95.340	149.4	800.3	95.340
20%	Vmax	332.4	801	97.592	332.5	801	97.622	332.4	801	97.535	332.8	800.9	97.653	332.5	800.9	97.622
30%	Vmax	498.8	801.5	98.073	498.8	801.5	98.073	498.6	801.6	98.053	498.7	801.5	98.053	498.8	801.6	98.073
50%	Vmax	882.5	802.3	98.351	882.6	802.2	98.351	882.5	802.2	98.351	882.3	802.2	98.339	882.3	802.2	98.350
75%	Vmax	1280.8	800.9	98.168	1281	801	98.168	1280	800.8	98.152	1281	800.8	98.175	1281	801	98.160
100%	Vmax	1675.2	799.9	98.373	1676	799.9	98.374	1675	800.2	98.379	1675	799.8	98.373	1675	800	98.373

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															