Manufacturer: Schneider

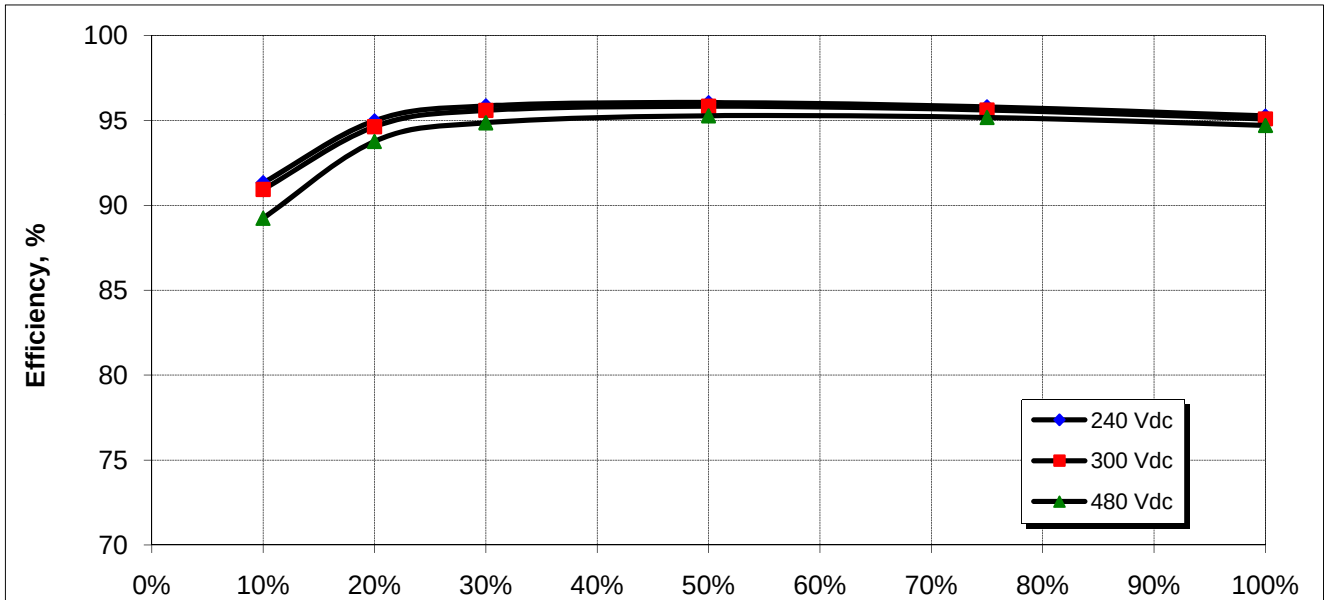
Model #: Conext TX 3800 NA (set to 208V)

Rated Maximum Continuous Output Power @25°C: 3.500 kW Night Tare Loss: -0.96 W
Rated Maximum Continuous Output Power @40°C: 3.500 kW Night Tare Loss: -0.96 W

Vmin: 240 Vdc Vnom: 300 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.35	0.70	1.05	1.75	2.63	3.50	Wtd
Vmin	240	91.3	95.0	95.8	96.0	95.8	95.3	95.6
Vnom	300	90.9	94.6	95.6	95.8	95.6	95.1	95.4
Vmax	480	89.2	93.8	94.9	95.3	95.2	94.7	94.8

CEC Efficiency = 95.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	312.61	240.383	91.31	309.76	240.380	91.25	310.97	240.380	91.28	309.62	240.387	91.25	312.92	240.383	91.31
20%	Vmin	710.95	240.830	94.98	708.75	240.830	94.97	705.70	240.837	94.95	707.56	240.830	94.96	714.85	240.830	95.00
30%	Vmin	1082.70	240.850	95.84	1080.23	240.850	95.84	1081.47	240.850	95.85	1085.83	240.847	95.85	1091.13	240.850	95.86
50%	Vmin	1750.87	240.420	96.05	1747.83	240.420	96.05	1744.43	240.430	96.05	1746.37	240.427	96.05	1745.63	240.420	96.05
75%	Vmin	2640.00	240.390	95.79	2642.63	240.390	95.79	2648.17	240.390	95.79	2647.00	240.397	95.79	2646.43	240.397	95.79
100%	Vmin	3533.60	240.650	95.26	3535.20	240.650	95.26	3536.40	240.650	95.26	3535.33	240.650	95.26	3536.27	240.650	95.26
10%	Vnom	317.40	300.600	90.87	321.34	300.600	90.95	322.43	300.607	90.97	322.53	300.610	90.97	320.16	300.610	90.92
20%	Vnom	700.51	300.667	94.59	703.82	300.667	94.61	709.85	300.660	94.64	708.33	300.663	94.63	709.10	300.663	94.63
30%	Vnom	1100.77	300.450	95.60	1091.77	300.450	95.59	1087.97	300.450	95.58	1089.73	300.450	95.58	1087.20	300.450	95.58
50%	Vnom	1745.17	300.690	95.82	1752.17	300.687	95.82	1756.87	300.690	95.83	1754.07	300.690	95.83	1752.87	300.700	95.83
75%	Vnom	2642.53	300.710	95.61	2644.90	300.703	95.61	2640.20	300.710	95.61	2642.70	300.717	95.61	2643.13	300.710	95.61
100%	Vnom	3533.47	300.790	95.08	3531.77	300.787	95.08	3534.00	300.790	95.09	3534.93	300.793	95.08	3532.00	300.793	95.09
10%	Vmax	313.22	479.510	89.17	315.17	479.510	89.21	315.71	479.510	89.22	316.25	479.507	89.23	318.51	479.510	89.28
20%	Vmax	709.66	479.300	93.71	718.98	479.297	93.76	721.89	479.300	93.77	720.09	479.300	93.77	718.78	479.290	93.76
30%	Vmax	1081.70	479.660	94.86	1081.33	479.653	94.86	1083.57	479.657	94.85	1084.67	479.657	94.85	1083.70	479.660	94.86
50%	Vmax	1729.13	479.560	95.27	1731.03	479.560	95.27	1727.60	479.560	95.27	1730.20	479.560	95.27	1726.97	479.560	95.27
75%	Vmax	2633.47	479.247	95.16	2635.73	479.250	95.16	2633.37	479.250	95.16	2633.53	479.250	95.17	2636.83	479.243	95.17
100%	Vmax	3525.70	479.563	94.70	3527.17	479.557	94.70	3529.10	479.560	94.71	3527.73	479.560	94.70	3528.40	479.557	94.71

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	317.16	240.383	91.40	319.54	240.383	91.45									
20%	Vmin	712.20	240.840	94.99	709.18	240.840	94.97									
30%	Vmin	1083.13	240.850	95.85	1083.67	240.850	95.85									
50%	Vmin	1746.20	240.423	96.05	1743.3	240.427	96.05									
75%	Vmin	2647.50	240.397	95.79	2647.6	240.400	95.79									
100%	Vmin	3528.70	240.660	95.26	3529.3	240.657	95.26									
10%	Vnom	321.56	300.600	90.95	320.58	300.600	90.93									
20%	Vnom	710.69	300.663	94.64	707.883	300.663	94.63									
30%	Vnom	1086.10	300.453	95.58	1087.57	300.450	95.59									
50%	Vnom	1758.03	300.697	95.83	1758.63	300.697	95.83									
75%	Vnom	2640.03	300.710	95.61	2634	300.717	95.61									
100%	Vnom	3529.63	300.790	95.09	3533.6	300.790	95.09									
10%	Vmax	318.44	479.510	89.28	318.63	479.507	89.28									
20%	Vmax	721.14	479.293	93.77	718.477	479.293	93.76									
30%	Vmax	1087.57	479.650	94.87	1084.93	479.660	94.86									
50%	Vmax	1727.30	479.560	95.27	1728.1	479.560	95.27									
75%	Vmax	2634.77	479.243	95.17	2631.13	479.243	95.17									
100%	Vmax	3526.27	479.557	94.71	3515.67	479.553	94.71									