Manufacturer: Schneider

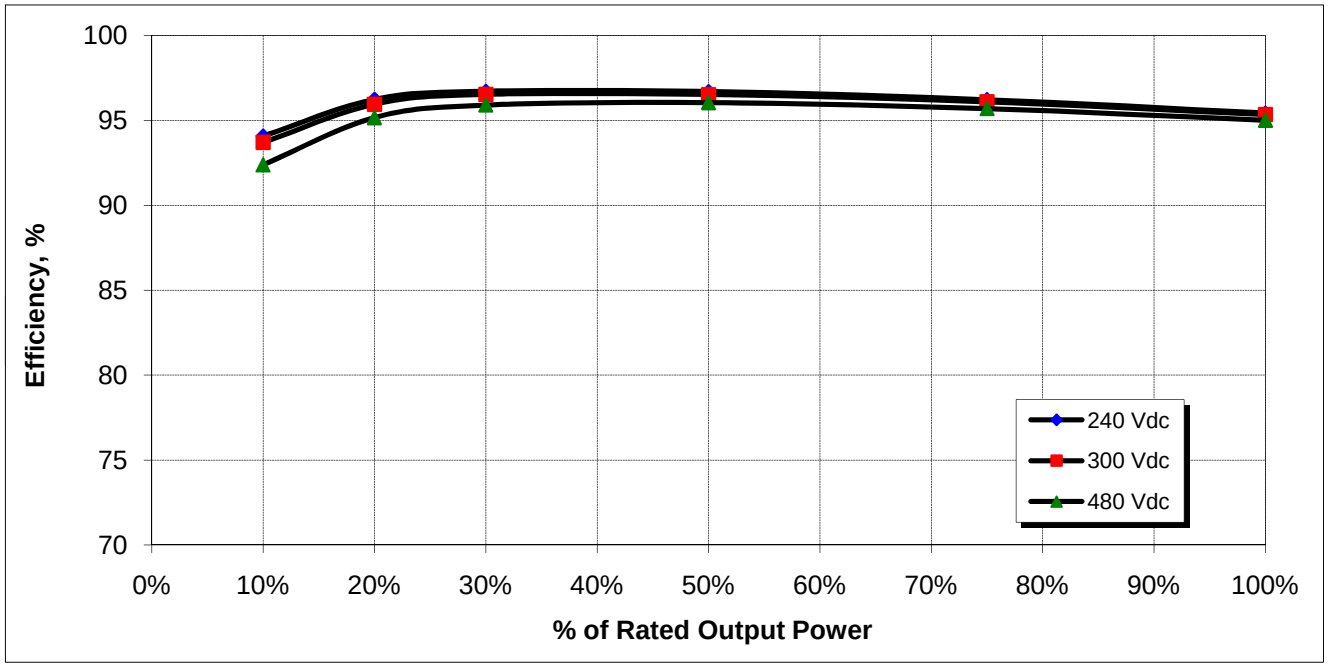
Model #: Conext TX 5000 NA (Set for 240 V)

Rated Maximum Continuous Output Power @25°C: 5.000 kW Night Tare Loss: -1.25 W
Rated Maximum Continuous Output Power @40°C: 5.000 kW Night Tare Loss: -1.25 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.50	1.00	1.50	2.50	3.75	5.00	Wtd
Vmin	240	94.1	96.2	96.7	96.7	96.2	95.4	96.3
Vnom	300	93.7	96.0	96.5	96.5	96.1	95.3	96.1
Vmax	480	92.4	95.2	95.9	96.0	95.7	95.0	95.6

CEC Efficiency = 96.0%



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	495.61	240.833	94.07	495.69	240.830	94.08	495.57	240.830	94.08	495.67	240.830	94.08	495.76	240.837	94.08
20%	Vmin	1021.03	240.630	96.23	1021.10	240.633	96.24	1021.00	240.640	96.24	1021.07	240.640	96.24	1021.03	240.640	96.24
30%	Vmin	1531.47	240.670	96.72	1531.50	240.663	96.72	1531.53	240.670	96.72	1531.53	240.670	96.72	1531.60	240.670	96.72
50%	Vmin	2520.77	240.840	96.70	2520.80	240.840	96.70	2520.83	240.840	96.70	2520.83	240.840	96.70	2520.83	240.840	96.70
75%	Vmin	3759.53	240.490	96.22	3759.37	240.490	96.22	3759.47	240.490	96.22	3759.63	240.490	96.22	3759.83	240.500	96.22
100%	Vmin	5011.17	240.740	95.43	5011.03	240.740	95.42	5011.07	240.737	95.43	5011.07	240.733	95.43	5010.97	240.740	95.43
10%	Vnom	493.00	300.730	93.70	493.02	300.730	93.71	492.91	300.733	93.69	492.94	300.730	93.70	492.95	300.730	93.70
20%	Vnom	1016.30	300.140	95.95	1016.30	300.140	95.95	1016.30	300.140	95.95	1016.33	300.140	95.95	1016.27	300.140	95.95
30%	Vnom	1527.80	300.360	96.53	1527.87	300.360	96.53	1527.90	300.360	96.54	1527.63	300.360	96.52	1527.80	300.370	96.52
50%	Vnom	2516.17	300.680	96.52	2515.97	300.690	96.52	2516.10	300.683	96.52	2516.00	300.683	96.52	2515.90	300.680	96.53
75%	Vnom	3755.60	300.180	96.09	3755.47	300.180	96.09	3755.70	300.180	96.09	3755.20	300.180	96.09	3755.63	300.183	96.09
100%	Vnom	5015.83	300.060	95.35	5015.50	300.060	95.34	5015.03	300.060	95.33	5015.00	300.060	95.33	5014.90	300.060	95.33
10%	Vmax	492.62	479.340	92.38	492.57	479.340	92.38	492.72	479.337	92.38	492.65	479.337	92.38	492.74	479.340	92.38
20%	Vmax	1007.17	479.570	95.15	1007.17	479.567	95.15	1007.27	479.560	95.16	1007.27	479.560	95.15	1007.20	479.560	95.15
30%	Vmax	1512.87	479.380	95.89	1512.93	479.380	95.88	1512.60	479.380	95.88	1512.70	479.380	95.88	1513.07	479.380	95.90
50%	Vmax	2504.57	479.350	96.03	2504.63	479.350	96.03	2504.67	479.350	96.03	2504.57	479.340	96.04	2504.53	479.340	96.03
75%	Vmax	3741.27	479.233	95.68	3741.23	479.230	95.68	3741.23	479.240	95.68	3741.57	479.230	95.68	3741.57	479.240	95.68
100%	Vmax	5004.70	479.017	95.00	5004.73	479.020	95.00	5004.53	479.020	95.00	5004.77	479.013	95.00	5004.63	479.017	95.00

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	495.77	240.830	94.07	495.75	240.837	94.07									
20%	Vmin	1021.10	240.640	96.24	1021.1	240.640	96.23									
30%	Vmin	1531.60	240.670	96.72	1531.6	240.670	96.72									
50%	Vmin	2520.90	240.840	96.70	2520.8333	240.840	96.70									
75%	Vmin	3759.63	240.500	96.22	3759.2667	240.500	96.22									
100%	Vmin	5010.67	240.740	95.42	5010.6667	240.730	95.43									
10%	Vnom	492.84	300.730	93.70	492.98667	300.730	93.70									
20%	Vnom	1016.33	300.140	95.95	1016.3	300.140	95.95									
30%	Vnom	1528.00	300.370	96.52	1527.9333	300.370	96.52									
50%	Vnom	2515.77	300.680	96.52	2515.6333	300.680	96.52									
75%	Vnom	3755.87	300.183	96.09	3755.7667	300.180	96.09									
100%	Vnom	5014.83	300.057	95.33	5014.5	300.060	95.33									
10%	Vmax	492.77	479.333	92.38	492.97	479.340	92.38									
20%	Vmax	1007.27	479.563	95.15	1007.1	479.560	95.16									
30%	Vmax	1513.00	479.380	95.89	1512.9667	479.380	95.89									
50%	Vmax	2504.63	479.340	96.04	2504.7333	479.350	96.04									
75%	Vmax	3741.50	479.233	95.68	3741.5	479.240	95.68									
100%	Vmax	5004.47	479.020	94.99	5004.4	479.020	95.00									