Manufacturer: Schneider

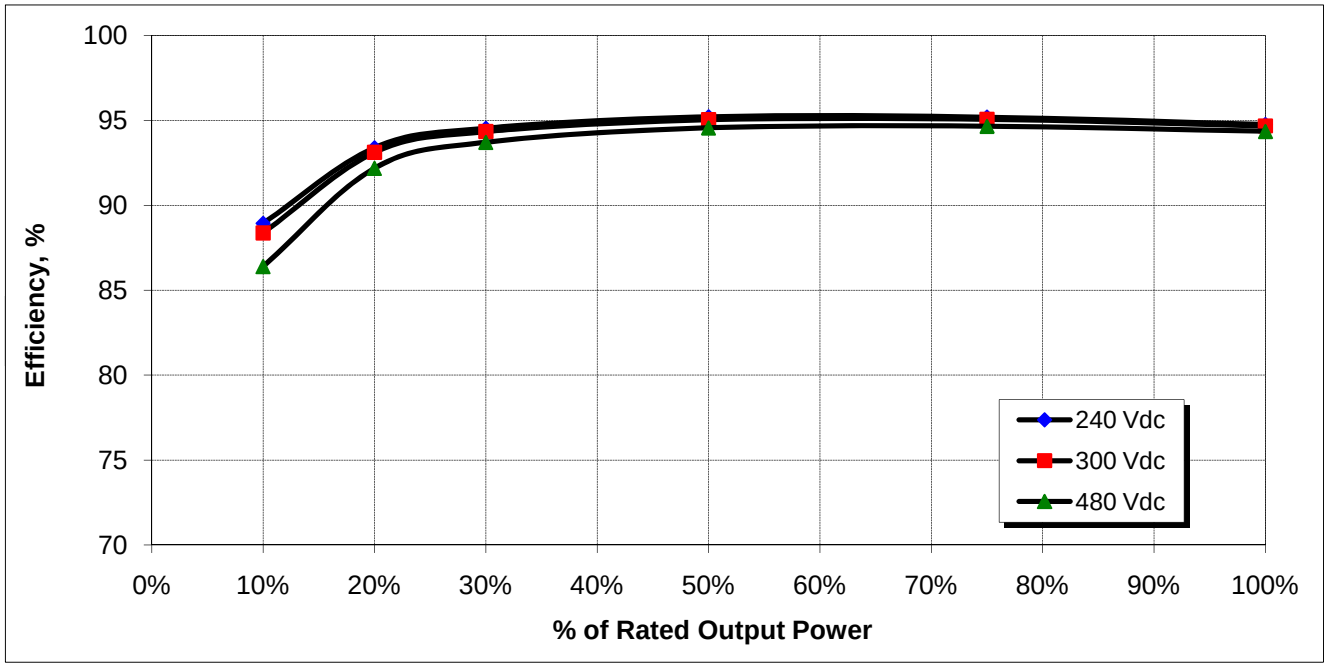
Model #: Conext 2800 NA (Set for 240 V)

Rated Maximum Continuous Output Power @25°C: 2.800 kW Night Tare Loss: -1.22 W
Rated Maximum Continuous Output Power @40°C: 2.800 kW Night Tare Loss: -1.22 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.28	0.56	0.84	1.40	2.10	2.80	Wtd
Vmin	240	88.9	93.4	94.5	95.2	95.2	94.8	94.8
Vnom	300	88.4	93.1	94.3	95.0	95.1	94.7	94.6
Vmax	480	86.4	92.2	93.7	94.6	94.7	94.3	94.0

CEC Efficiency = 94.5%



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	261.06	240.697	88.96	261.03	240.693	88.93	261.15	240.697	88.94	261.03	240.700	88.94	261.13	240.700	88.93
20%	Vmin	564.85	240.593	93.40	564.98	240.600	93.40	564.83	240.600	93.40	564.98	240.600	93.40	564.84	240.607	93.40
30%	Vmin	845.34	240.797	94.55	845.28	240.803	94.55	845.19	240.803	94.55	845.15	240.803	94.55	845.14	240.800	94.55
50%	Vmin	1420.70	240.450	95.22	1420.87	240.450	95.22	1421.00	240.450	95.22	1420.97	240.457	95.22	1420.97	240.453	95.22
75%	Vmin	2110.03	240.260	95.21	2109.97	240.267	95.21	2109.90	240.267	95.21	2110.03	240.263	95.21	2109.90	240.270	95.20
100%	Vmin	2843.80	240.657	94.77	2844.00	240.660	94.77	2843.93	240.660	94.77	2844.10	240.660	94.77	2844.13	240.660	94.77
10%	Vnom	259.25	300.570	88.37	259.15	300.567	88.37	259.06	300.570	88.37	259.07	300.570	88.36	259.14	300.570	88.37
20%	Vnom	561.98	300.273	93.12	562.04	300.270	93.11	561.91	300.270	93.11	561.94	300.273	93.11	561.95	300.280	93.12
30%	Vnom	842.76	300.287	94.34	842.61	300.290	94.34	842.62	300.287	94.34	842.35	300.290	94.34	842.54	300.290	94.34
50%	Vnom	1417.20	300.733	95.04	1417.23	300.740	95.04	1417.03	300.733	95.04	1417.07	300.730	95.04	1416.97	300.730	95.04
75%	Vnom	2106.57	300.450	95.07	2106.73	300.447	95.07	2106.57	300.450	95.07	2106.60	300.460	95.06	2106.77	300.450	95.06
100%	Vnom	2848.87	300.613	94.67	2848.97	300.610	94.68	2849.17	300.613	94.67	2849.27	300.613	94.67	2849.23	300.620	94.67
10%	Vmax	245.74	479.360	86.40	245.51	479.350	86.39	245.42	479.350	86.39	245.36	479.350	86.39	245.34	479.350	86.39
20%	Vmax	551.91	479.507	92.17	551.91	479.500	92.18	551.98	479.500	92.18	551.94	479.500	92.18	551.86	479.500	92.18
30%	Vmax	835.96	479.500	93.71	835.92	479.500	93.70	835.86	479.500	93.70	835.89	479.500	93.70	835.66	479.497	93.70
50%	Vmax	1409.43	479.453	94.55	1409.23	479.460	94.56	1409.27	479.460	94.56	1409.17	479.453	94.56	1408.97	479.450	94.55
75%	Vmax	2093.17	479.543	94.65	2093.00	479.540	94.65	2093.07	479.537	94.66	2092.90	479.540	94.65	2092.87	479.533	94.65
100%	Vmax	2835.10	479.400	94.35	2835.07	479.397	94.35	2835.23	479.397	94.35	2835.00	479.393	94.35	2834.97	479.393	94.35

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	261.01	240.700	88.92	261.08	240.700	88.94									
20%	Vmin	564.91	240.600	93.39	564.853	240.610	93.39									
30%	Vmin	844.96	240.803	94.54	844.887	240.807	94.54									
50%	Vmin	1420.93	240.457	95.22	1421.23	240.453	95.23									
75%	Vmin	2109.97	240.270	95.20	2110	240.270	95.20									
100%	Vmin	2844.17	240.660	94.77	2844.23	240.660	94.77									
10%	Vnom	259.28	300.570	88.37	259.2	300.567	88.37									
20%	Vnom	561.89	300.277	93.12	561.787	300.273	93.11									
30%	Vnom	842.47	300.290	94.34	842.52	300.293	94.34									
50%	Vnom	1417.07	300.730	95.03	1417.03	300.730	95.04									
75%	Vnom	2106.77	300.457	95.07	2106.67	300.460	95.07									
100%	Vnom	2848.97	300.620	94.67	2849.07	300.620	94.67									
10%	Vmax	245.50	479.343	86.40	245.427	479.350	86.39									
20%	Vmax	551.82	479.500	92.18	551.827	479.500	92.17									
30%	Vmax	835.65	479.500	93.70	835.613	479.490	93.70									
50%	Vmax	1408.87	479.450	94.55	1408.83	479.453	94.55									
75%	Vmax	2092.90	479.540	94.65	2092.87	479.540	94.66									
100%	Vmax	2834.80	479.400	94.34	2834.93	479.400	94.34									