Manufacturer: Xantrex / Schneider

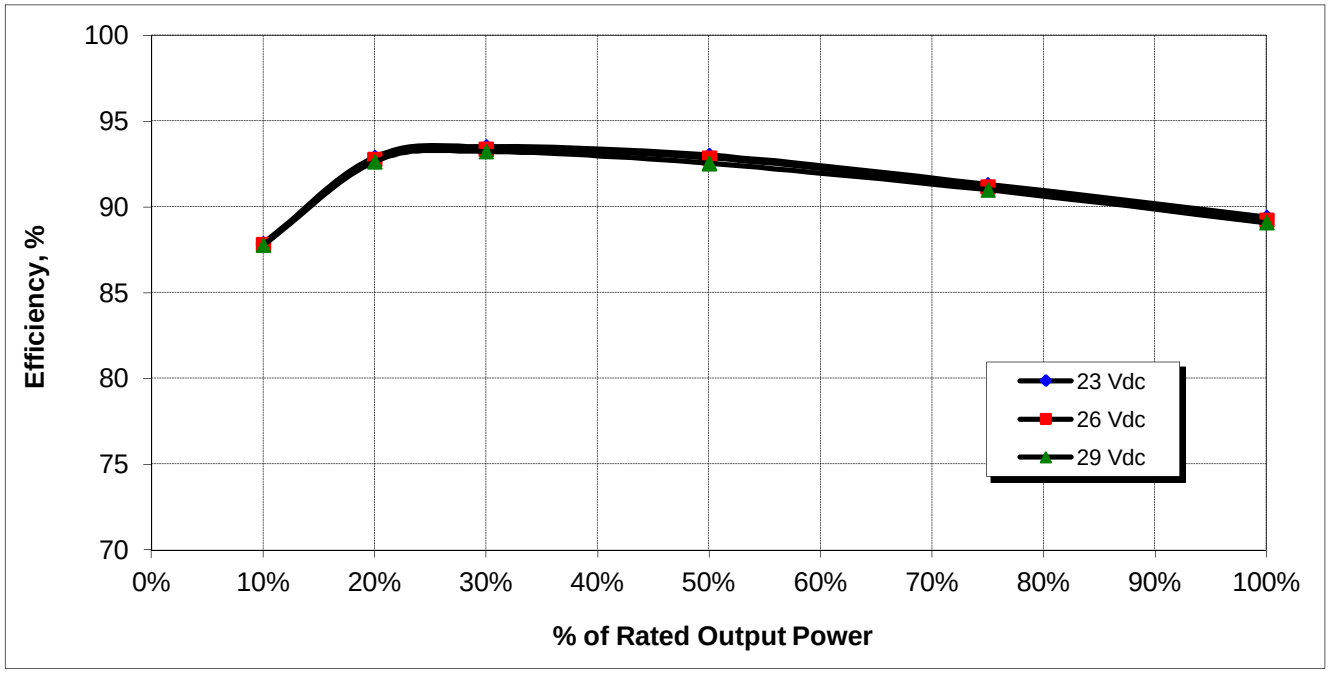
Model #: XW4024-120/240-60 (Connected for 120 V)

Rated Maximum Continuous Output Power @25°C: 4.000 kW Night Tare Loss: -29.65 W
Rated Maximum Continuous Output Power @40°C: 4.000 kW Night Tare Loss: -29.65 W

Vmin: 23 Vdc Vnom: 26 Vdc Vmax: 29 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.40	0.80	1.20	2.00	3.00	4.00	Wtd
Vmin	23	87.9	92.9	93.5	93.0	91.3	89.4	91.8
Vnom	26	87.8	92.8	93.4	92.9	91.2	89.2	91.7
Vmax	29	87.8	92.6	93.2	92.5	91.0	89.1	91.5

CEC Efficiency = 91.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	359.53	23.039	87.93	359.77	23.038	87.84	359.90	23.038	87.84	359.83	23.038	87.89	359.83	23.038	87.85
20%	Vmin	859.07	23.055	92.90	859.63	23.055	92.94	858.77	23.055	92.90	858.40	23.055	92.90	858.10	23.056	92.90
30%	Vmin	1237.43	23.060	93.53	1238.03	23.061	93.54	1238.43	23.062	93.55	1238.37	23.063	93.53	1238.63	23.063	93.54
50%	Vmin	1839.77	23.059	93.01	1839.53	23.057	93.02	1845.00	23.055	93.02	1843.67	23.055	93.02	1839.43	23.057	93.03
75%	Vmin	2873.33	23.073	91.35	2873.33	23.072	91.34	2872.00	23.073	91.33	2859.00	23.079	91.31	2858.33	23.080	91.29
100%	Vmin	3904.67	23.081	89.42	3906.33	23.081	89.42	3904.00	23.082	89.41	3906.33	23.078	89.42	3902.00	23.083	89.42
10%	Vnom	366.20	26.038	87.80	367.10	26.038	87.79	367.93	26.038	87.81	368.00	26.039	87.82	368.07	26.039	87.82
20%	Vnom	864.20	26.088	92.76	864.07	26.088	92.76	864.13	26.089	92.77	864.37	26.089	92.80	864.10	26.089	92.80
30%	Vnom	1249.50	26.074	93.39	1253.80	26.073	93.42	1250.93	26.074	93.39	1250.70	26.075	93.37	1247.67	26.076	93.36
50%	Vnom	1825.17	26.048	92.88	1831.53	26.047	92.89	1830.90	26.048	92.86	1830.27	26.049	92.85	1833.47	26.049	92.87
75%	Vnom	2876.00	26.017	91.16	2879.67	26.016	91.18	2880.33	26.016	91.18	2879.33	26.016	91.20	2878.67	26.016	91.19
100%	Vnom	3900.67	26.055	89.25	3896.00	26.058	89.26	3898.00	26.057	89.24	3892.33	26.061	89.24	3895.33	26.058	89.25
10%	Vmax	374.20	28.925	87.84	374.50	28.923	87.72	374.60	28.921	87.80	374.57	28.920	87.81	374.43	28.919	87.70
20%	Vmax	866.60	28.919	92.60	867.27	28.918	92.60	867.93	28.917	92.62	868.27	28.916	92.64	868.97	28.916	92.66
30%	Vmax	1251.60	28.910	93.24	1243.57	28.912	93.25	1244.50	28.912	93.22	1247.57	28.911	93.24	1248.27	28.911	93.26
50%	Vmax	1828.67	28.933	92.54	1827.67	28.933	92.54	1827.00	28.932	92.52	1828.67	28.931	92.54	1830.00	28.931	92.54
75%	Vmax	2862.67	28.923	90.99	2861.67	28.922	90.98	2862.33	28.921	90.99	2863.33	28.920	91.00	2863.33	28.919	91.02
100%	Vmax	3892.00	28.947	89.08	3881.00	28.952	89.09	3878.67	28.953	89.11	3890.33	28.948	89.10	3886.33	28.950	89.10

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	359.77	23.038	87.96	359.8667	23.038	87.87									
20%	Vmin	857.63	23.056	92.94	857.3	23.056	92.92									
30%	Vmin	1238.50	23.064	93.53	1234	23.065	93.50									
50%	Vmin	1839.17	23.057	93.02	1839.2	23.057	93.02									
75%	Vmin	2865.00	23.078	91.33	2866	23.078	91.33									
100%	Vmin	3903.00	23.083	89.41	3902.333	23.083	89.43									
10%	Vnom	368.10	26.039	87.86	368.1333	26.039	87.87									
20%	Vnom	863.87	26.090	92.80	863.2333	26.090	92.82									
30%	Vnom	1247.80	26.076	93.38	1244.267	26.078	93.38									
50%	Vnom	1828.37	26.051	92.89	1831	26.050	92.88									
75%	Vnom	2880.33	26.016	91.19	2881.667	26.016	91.18									
100%	Vnom	3898.33	26.056	89.23	3898	26.057	89.22									
10%	Vmax	374.37	28.918	87.75	374.2	28.917	87.80									
20%	Vmax	870.50	28.915	92.68	870.5	28.914	92.70									
30%	Vmax	1242.27	28.912	93.23	1236.333	28.914	93.20									
50%	Vmax	1832.33	28.930	92.55	1831.667	28.928	92.57									
75%	Vmax	2868.00	28.917	91.01	2868	28.917	91.01									
100%	Vmax	3887.33	28.950	89.10	3889	28.949	89.10									