Manufacturer: Satcon Technology Corporation

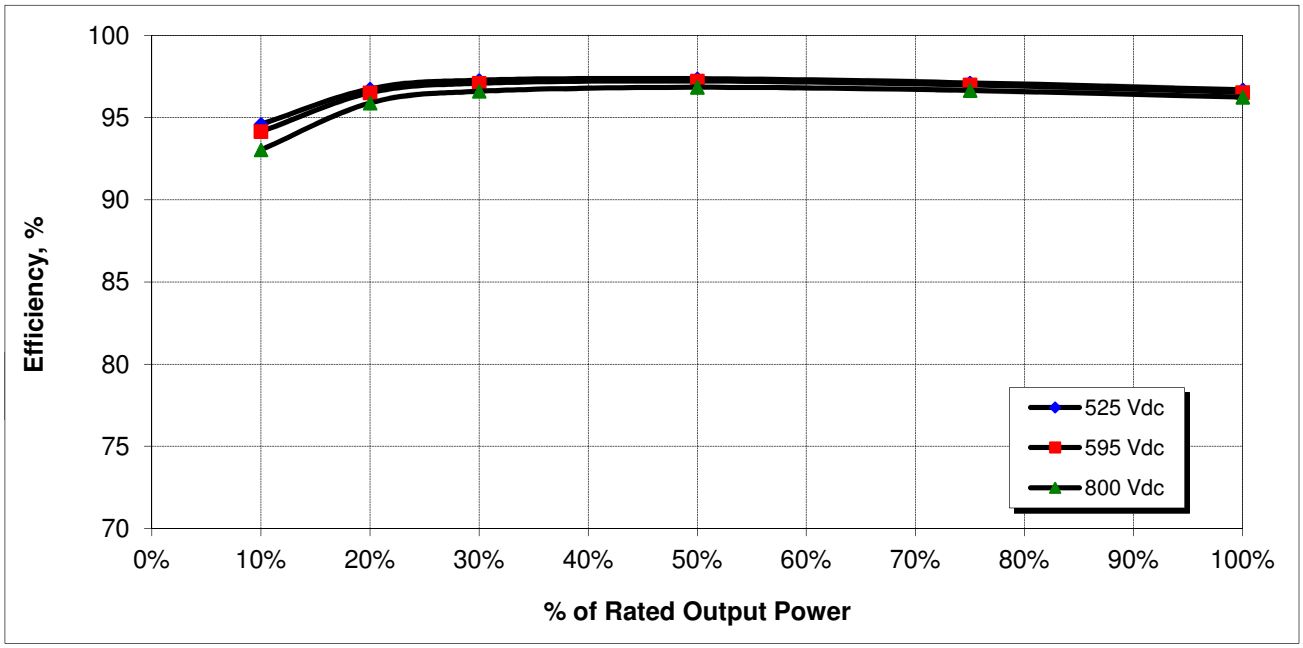
Model #: Equinox 1.25 MW model EPP-1250-1000-52085-320X-U suffix -N or -P

Rated Maximum Continuous Output Power: 1250.00 kW Night Tare Loss: 320.43 W

Vmin: 525 Vdc Vnom: 595 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		125.00	250.00	375.00	625.00	937.50	1250.00	Wtd
Vmin	525	94.6	96.7	97.3	97.4	97.1	96.7	97.0
Vnom	595	94.1	96.5	97.1	97.2	97.0	96.5	96.9
Vmax	800	93.0	95.9	96.6	96.8	96.7	96.2	96.5

CEC Efficiency = 97.0%



Manufacturer: Satcon Technology Corporation

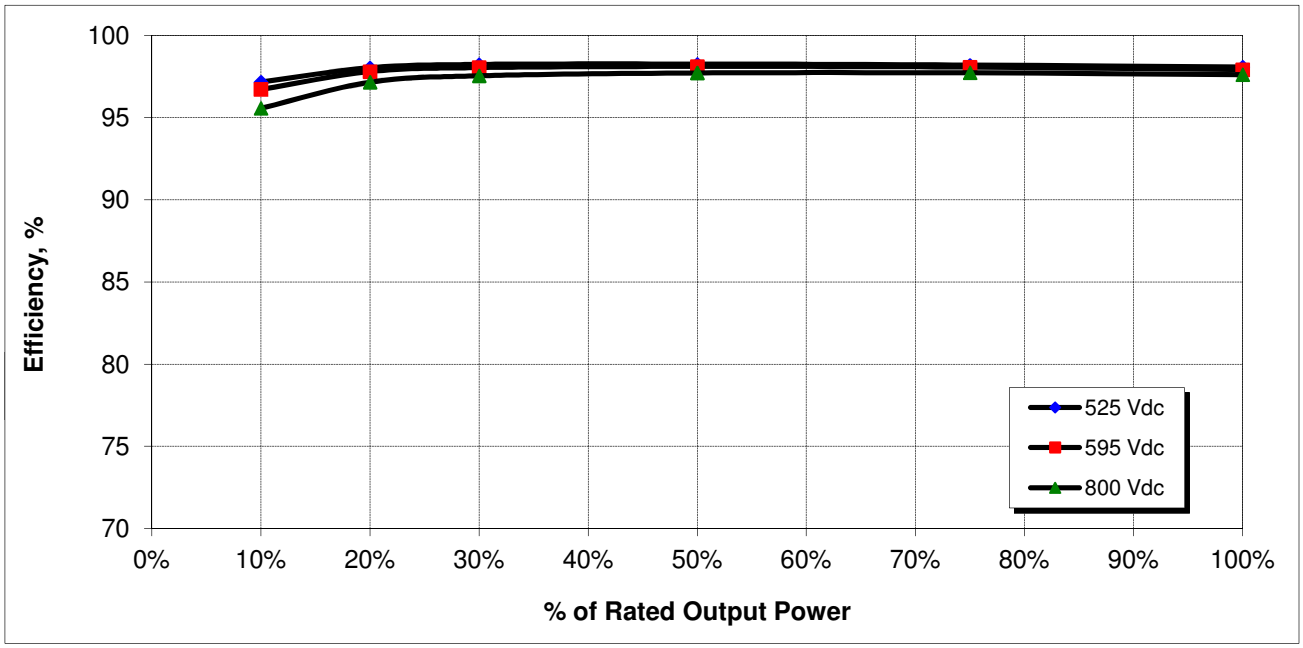
Model #: Equinox 1.25 MW model EPP-1250-1000-52085-320X-U suffix -N or -P

Rated Maximum Continuous Output Power: 1250.00 kW Night Tare Loss: 320.43 W

Vmin: 525 Vdc Vnom: 595 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		125.00	250.00	375.00	625.00	937.50	1250.00	Wtd
Vmin	525	97.2	98.0	98.2	98.2	98.2	98.1	98.1
Vnom	595	96.7	97.8	98.0	98.1	98.1	97.9	98.0
Vmax	800	95.6	97.2	97.5	97.7	97.7	97.6	97.6

Inverter Efficiency w/o Transformer = 98.0%



MIN. TRANSOFRMER EFFICIENCY PER NEMA TP 1

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		125.00	250.00	375.00	625.00	937.50	1250.00	Wtd
Vmin	420	97.4	98.7	99.0	99.1	98.9	98.6	98.9
Vnom	486	97.4	98.7	99.0	99.1	98.9	98.6	98.9
Vmax	670	97.4	98.7	99.0	99.1	98.9	98.6	98.9

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	123557.70	525.79	97.18	123335.60	525.78	97.16	123235.00	525.89	97.13	123151.00	525.80	97.14	123206.90	525.84	97.13
20%	Vmin	272805.00	525.62	98.02	272787.00	525.65	98.02	272808.00	525.58	98.02	272889.00	525.68	98.02	272933.00	525.52	98.03
30%	Vmin	403775.00	525.62	98.23	403771.00	525.64	98.23	403895.00	525.56	98.21	403826.00	525.52	98.22	404018.00	525.60	98.22
50%	Vmin	684667.00	525.54	98.25	684858.00	525.56	98.25	685106.00	525.50	98.24	684744.00	525.52	98.24	684826.00	525.56	98.25
75%	Vmin	877419.00	525.21	98.19	877416.00	525.11	98.18	877568.00	525.36	98.19	877524.00	525.25	98.18	877576.00	525.19	98.19
100%	Vmin	1189029.00	525.79	98.07	1189384.00	525.59	98.06	1189147.00	525.73	98.06	1189224.00	525.76	98.06	1188886.00	525.67	98.06
10%	Vnom	123405.20	595.50	96.73	123238.70	595.29	96.71	123123.20	595.40	96.71	123040.60	595.34	96.73	122940.10	595.48	96.71
20%	Vnom	272223.00	595.35	97.79	272261.00	595.48	97.81	272370.00	595.43	97.79	272464.00	595.14	97.80	272607.00	595.29	97.79
30%	Vnom	404577.00	594.90	98.04	404666.00	595.25	98.04	404366.00	595.02	98.04	404312.00	594.99	98.04	404304.00	594.98	98.04
50%	Vnom	685840.00	595.35	98.12	685964.00	595.23	98.12	685923.00	595.27	98.11	685565.00	595.20	98.11	685435.00	595.32	98.11
75%	Vnom	877226.00	595.15	98.07	876777.00	594.85	98.07	876834.00	595.17	98.07	877128.00	595.04	98.07	877150.00	595.03	98.07
100%	Vnom	1190064.00	595.74	97.93	1189607.00	595.66	97.92	1189430.00	595.74	97.92	1189869.00	595.56	97.91	1189905.00	595.47	97.91
10%	Vmax	123409.50	784.94	95.59	123108.10	785.03	95.54	123050.80	784.91	95.51	123218.20	785.06	95.56	123287.30	784.82	95.58
20%	Vmax	272697.00	784.89	97.16	272758.00	784.70	97.15	272868.00	784.80	97.15	272911.00	784.71	97.15	272715.00	784.81	97.16
30%	Vmax	404109.00	785.67	97.55	403907.00	785.77	97.55	404604.00	785.76	97.54	404606.00	785.78	97.54	404589.00	785.76	97.55
50%	Vmax	685422.00	785.41	97.74	684711.00	785.29	97.72	684784.00	785.39	97.72	684416.00	785.20	97.72	684221.00	785.33	97.72
75%	Vmax	876240.00	785.18	97.72	876958.00	785.16	97.73	877829.00	785.09	97.73	876665.00	785.31	97.72	876386.00	785.16	97.73
100%	Vmax	1189540.00	784.90	97.63	1189804.00	785.09	97.62	1189832.00	784.73	97.61	1190151.00	784.79	97.62	1190078.00	784.88	97.62

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	123371.60	525.92	97.15	123498.60	525.98	97.21									
20%	Vmin	273172.00	525.67	98.02	273158.00	525.56	98.02									
30%	Vmin	404152.00	525.66	98.22	404174.00	525.73	98.22									
50%	Vmin	684964.00	525.35	98.25	684706.00	525.50	98.24									
75%	Vmin	877135.00	525.25	98.18	877373.00	525.26	98.18									
100%	Vmin	1188888.00	525.86	98.06	1189143.00	525.76	98.06									
10%	Vnom	122867.40	595.41	96.70	122909.10	595.53	96.70									
20%	Vnom	272710.00	595.36	97.80	272683.00	595.38	97.80									
30%	Vnom	404449.00	595.20	98.04	404739.00	595.00	98.04									
50%	Vnom	685395.00	595.17	98.10	685535.00	595.35	98.10									
75%	Vnom	877224.00	595.16	98.07	876877.00	594.97	98.07									
100%	Vnom	1189625.00	595.65	97.91	1189449.00	595.54	97.91									
10%	Vmax	123108.00	784.99	95.60	122813.10	784.94	95.58									
20%	Vmax	272285.00	784.84	97.15	272480.00	784.98	97.15									
30%	Vmax	404992.00	785.78	97.54	404926.00	785.86	97.55									
50%	Vmax	684975.00	785.34	97.71	684764.00	785.32	97.70									
75%	Vmax	877338.00	785.17	97.73	877439.00	785.31	97.72									
100%	Vmax	1189010.00	784.84	97.60	1189336.00	784.86	97.60									