Manufacturer: Satcon Technology Corporation

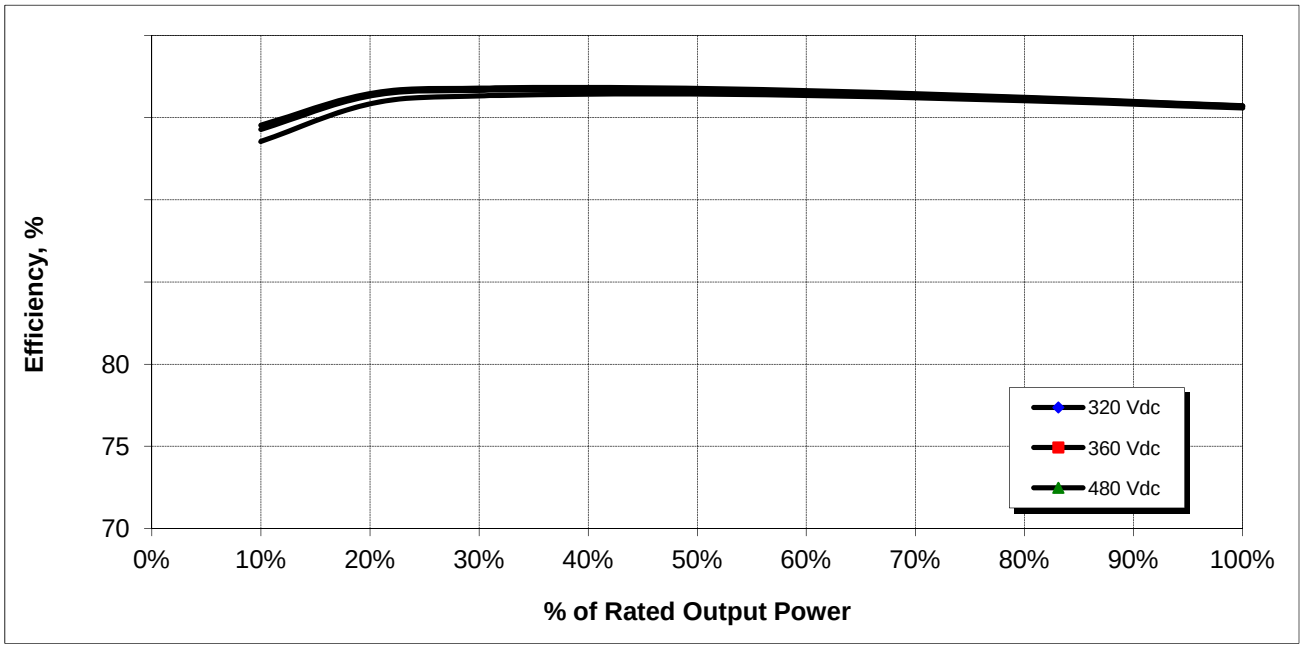
Model #: Equinox 1 MW model EPP-1000-0600-32060-200X-U suffix -N or -P

Rated Maximum Continuous Output Power: 1000.00 kW Night Tare Loss: 325.49 W

Vmin: 320 Vdc Vnom: 360 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		100.00	200.00	300.00	500.00	750.00	1000.00	Wtd
Vmin	320	94.5	96.5	96.8	96.8	96.4	95.7	96.4
Vnom	360	94.3	96.3	96.7	96.7	96.3	95.7	96.3
Vmax	480	93.5	95.8	96.3	96.4	96.1	95.6	96.1

CEC Efficiency = 96.5%



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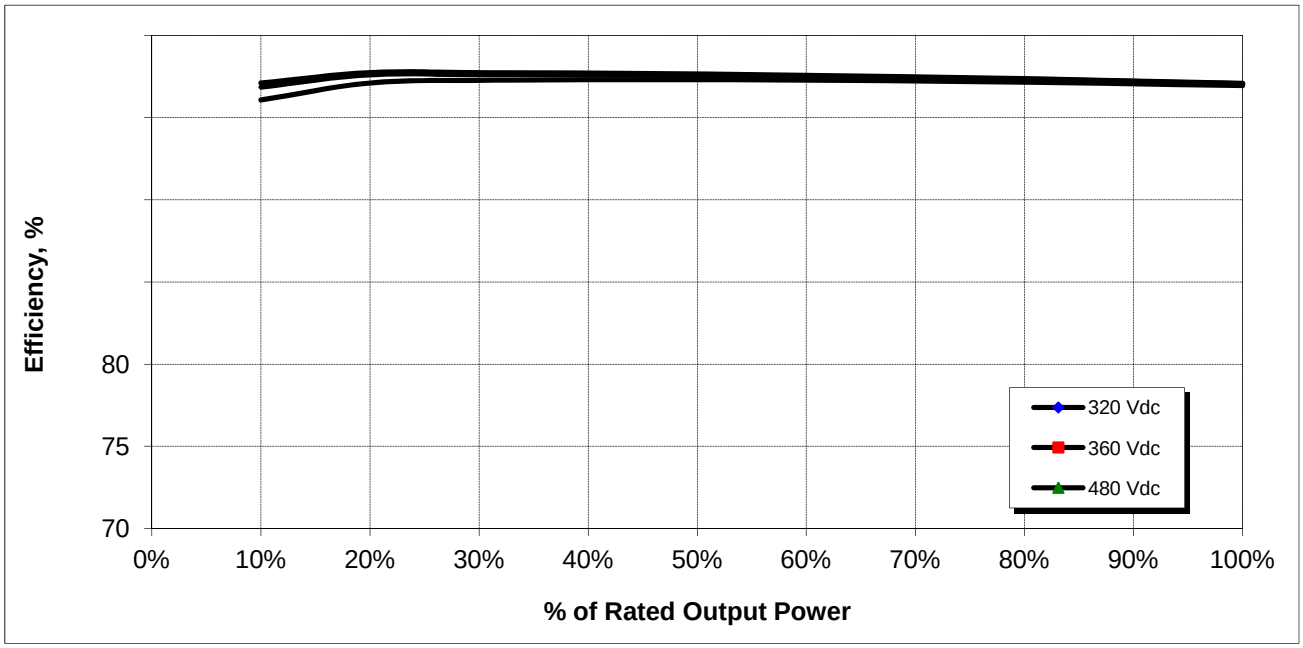
		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		100.00	200.00	300.00	500.00	750.00	1000.00	Wtd
Vmin	320	97.1	97.7	97.7	97.7	97.4	97.1	97.5
Vnom	360	96.9	97.6	97.6	97.6	97.4	97.1	97.4
Vmax	480	96.1	97.1	97.3	97.3	97.2	97.0	97.2

Inverter Efficiency w/o Transformer = 97.5%



MIN. TRANSOFRMER EFFICIENCY PER NEMA TP 1

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		100.00	200.00	300.00	500.00	750.00	1000.00	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	98525.90	321.65	97.09	98566.50	321.38	97.11	98648.90	321.55	97.11	98423.30	321.77	97.10	98544.50	321.71	97.10
20%	Vmin	217651.00	322.17	97.74	217537.00	321.38	97.74	217519.00	321.62	97.75	218547.00	321.52	97.74	218513.00	321.30	97.74
30%	Vmin	323271.00	320.98	97.75	323361.00	321.15	97.75	323237.00	321.44	97.73	323328.00	321.42	97.74	323255.00	321.26	97.73
50%	Vmin	451122.00	322.95	97.66	451154.00	323.16	97.66	451205.00	323.22	97.65	451201.00	323.07	97.66	451158.00	322.94	97.66
75%	Vmin	701605.00	321.18	97.42	702124.00	321.30	97.45	702254.00	321.44	97.44	701829.00	321.49	97.42	701727.00	321.37	97.41
100%	Vmin	953941.00	322.85	97.09	954020.00	323.18	97.09	954069.00	323.16	97.08	953631.00	323.07	97.10	953583.00	323.07	97.07
10%	Vnom	98764.90	360.63	96.87	98838.20	360.28	96.87	98694.10	360.06	96.86	98937.80	360.13	96.86	98793.40	361.45	96.83
20%	Vnom	217916.00	361.03	97.60	218068.00	361.02	97.60	217889.00	361.32	97.60	218012.00	361.50	97.59	218007.00	361.32	97.60
30%	Vnom	323583.00	360.80	97.61	323714.00	360.95	97.62	323659.00	361.23	97.62	323646.00	361.38	97.60	323719.00	361.28	97.59
50%	Vnom	451637.00	360.84	97.57	451560.00	360.94	97.57	451527.00	361.23	97.55	451658.00	361.12	97.55	451604.00	360.99	97.55
75%	Vnom	702005.00	361.03	97.39	702008.00	361.09	97.39	701894.00	361.24	97.39	702037.00	361.36	97.38	702012.00	361.07	97.39
100%	Vnom	953755.00	360.68	97.07	953789.00	360.45	97.08	954169.00	360.61	97.10	953911.00	360.74	97.07	953703.00	360.94	97.07
10%	Vmax	98995.40	471.48	96.10	99273.90	471.49	96.07	98881.90	470.90	96.06	99239.80	470.91	96.06	99075.30	471.49	96.08
20%	Vmax	218766.00	472.23	97.11	219055.00	471.97	97.11	218757.00	471.51	97.10	218901.00	471.33	97.11	218777.00	471.98	97.12
30%	Vmax	323619.00	471.24	97.27	323808.00	471.49	97.28	323647.00	471.84	97.27	323565.00	472.07	97.26	323707.00	471.94	97.25
50%	Vmax	451559.00	473.34	97.31	452003.00	473.39	97.32	451898.00	471.47	97.32	451663.00	471.03	97.31	451871.00	471.14	97.29
75%	Vmax	703537.00	472.36	97.20	703615.00	472.79	97.21	703411.00	473.03	97.20	703570.00	472.87	97.18	703409.00	472.56	97.18
100%	Vmax	954250.00	470.99	96.96	954879.00	470.88	96.99	954691.00	471.36	96.97	954485.00	471.68	96.94	954696.00	471.44	96.93

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	98558.20	321.47	97.11	98670.60	321.56	97.11									
20%	Vmin	218541.00	321.37	97.74	218395.00	321.52	97.75									
30%	Vmin	323120.00	321.05	97.74	323258.00	321.13	97.74									
50%	Vmin	451316.00	322.85	97.66	451225.00	323.05	97.66									
75%	Vmin	702022.00	321.26	97.41	702268.00	321.24	97.43									
100%	Vmin	953506.00	322.80	97.08	952938.00	322.89	97.07									
10%	Vnom	98768.20	361.74	96.83	98808.10	361.49	96.86									
20%	Vnom	217875.00	361.12	97.60	218018.00	361.20	97.61									
30%	Vnom	323680.00	361.09	97.60	323823.00	360.93	97.61									
50%	Vnom	451524.00	360.78	97.56	451779.00	360.79	97.57									
75%	Vnom	701880.00	360.96	97.38	702053.00	360.96	97.38									
100%	Vnom	953992.00	360.82	97.06	953742.00	360.63	97.05									
10%	Vmax	99044.50	471.70	96.08	99045.20	471.26	96.09									
20%	Vmax	218610.00	472.22	97.10	218998.00	472.09	97.10									
30%	Vmax	323529.00	471.60	97.25	323795.00	471.38	97.27									
50%	Vmax	451654.00	470.88	97.29	451632.00	470.56	97.30									
75%	Vmax	703253.00	472.29	97.18	703796.00	472.27	97.18									
100%	Vmax	954551.00	471.20	96.93	954711.00	471.05	96.93									