Manufacturer: Ingeteam Power Technology

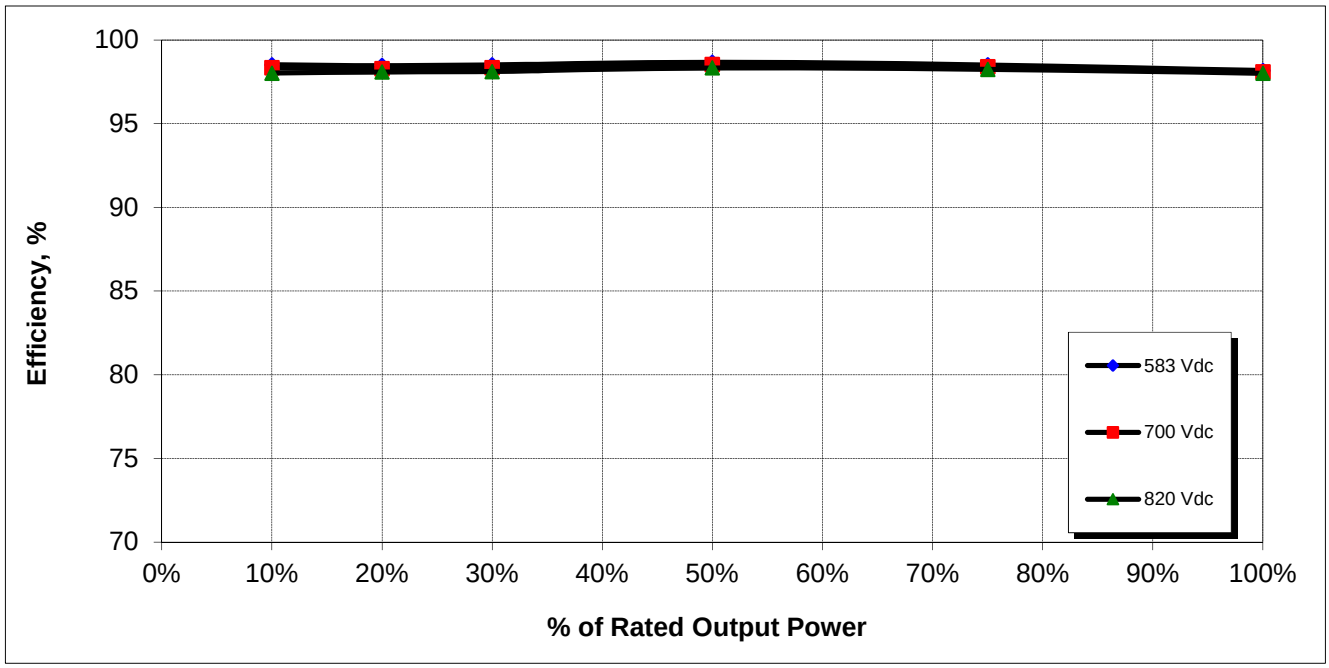
Model #: Ingecon Sun 1000TL U X400 Outdoor

Rated Maximum Continuous Output Power: 1000 kW Night Tare Loss: 120.00 W

Vmin: 583 Vdc Vnom: 700 Vdc Vmax: 820 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	583	98.5	98.5	98.5	98.7	98.5	98.2	98.5
Vnom	700	98.3	98.3	98.3	98.5	98.4	98.1	98.4
Vmax	820	98.0	98.1	98.1	98.3	98.2	98.0	98.2

CEC Efficiency = 98.5%



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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	98.0655	588.9	98.521	98.3514	589.05	98.493	98.2974	588.98	98.507	98.2779	589.02	98.526	97.9557	589	98.520
20%	Vmin	221.537	584.18	98.459	221.472	584.34	98.467	221.813	584.16	98.458	221.848	584.33	98.471	222.206	584.33	98.478
30%	Vmin	326.91	585.57	98.518	327.565	585.63	98.509	328.564	585.54	98.512	328.125	585.73	98.504	327.634	585.64	98.500
50%	Vmin	551.262	586.14	98.670	551.384	586.16	98.664	550.238	586.04	98.657	548.189	586.28	98.669	547.353	585.9	98.668
75%	Vmin	726.542	586.25	98.513	722.995	586.54	98.506	724.575	586.81	98.508	724.541	586.54	98.505	724.446	586.54	98.500
100%	Vmin	975.294	583.81	98.145	969.767	582.7	98.164	951.753	580.89	98.196	969.488	584.15	98.183	978.233	584.23	98.174
10%	Vnom	98.2228	703.09	98.359	98.7751	703.02	98.329	98.9164	703.08	98.335	99.077	703.14	98.300	99.0765	703.06	98.366
20%	Vnom	222.35	702.41	98.297	222.071	702.6	98.291	221.43	702.42	98.284	221.864	702.5	98.298	220.691	702.45	98.274
30%	Vnom	329.425	701.92	98.338	329.722	701.75	98.337	329.777	701.88	98.345	328.842	701.89	98.337	327.715	701.95	98.336
50%	Vnom	547.46	702.94	98.521	548.445	702.99	98.520	548.91	703.03	98.525	549.634	702.86	98.529	549.838	702.77	98.531
75%	Vnom	727.436	703.32	98.407	726.831	703.14	98.396	725.281	703.35	98.395	724.899	703.12	98.387	722.971	703.34	98.393
100%	Vnom	978.307	701.1	98.082	979.852	701.36	98.088	981.486	701.05	98.089	983.931	701.3	98.090	984.59	701.15	98.097
10%	Vmax	97.1128	823.28	98.029	97.3495	823.23	98.030	97.4369	823.3	97.991	97.3881	823.23	98.054	97.2837	823.26	97.990
20%	Vmax	219.3	822.81	98.079	219.912	822.59	98.098	219.607	822.82	98.081	218.897	822.65	98.078	219.184	822.85	98.100
30%	Vmax	318.13	824.36	98.131	317.782	824.22	98.114	317.893	824.29	98.109	325.264	824.07	98.129	324.339	824.39	98.107
50%	Vmax	542.865	823.28	98.343	540.479	823.08	98.325	540.336	823.29	98.336	539.328	823.2	98.331	538.87	823.33	98.325
75%	Vmax	716.263	821.89	98.248	716.433	821.99	98.251	716.988	821.82	98.249	716.227	822	98.239	716.711	821.94	98.262
100%	Vmax	969.56	820.37	98.039	973.648	820.18	98.010	973.49	820.12	98.004	974.818	820.37	98.006	977.131	820.37	98.001

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															