Manufacturer: Ingeteam Power Technology

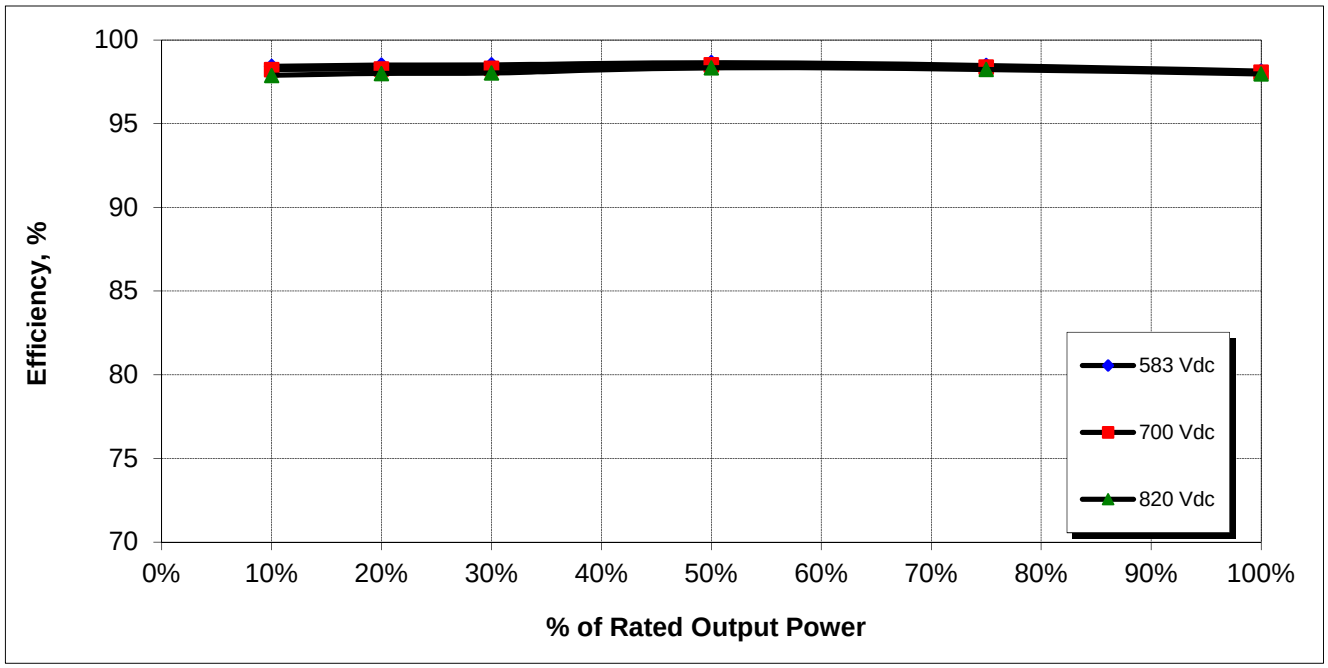
Model #: Ingecon Sun 750TL U X400 Outdoor

Rated Maximum Continuous Output Power: 750 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)		75.00	150.00	225.00	375.00	562.50	750.00	Wtd
Vmin	583	98.4	98.5	98.5	98.6	98.5	98.1	98.5
Vnom	700	98.2	98.3	98.3	98.5	98.4	98.1	98.4
Vmax	820	97.9	98.0	98.0	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	73.0125	587.9	98.402	72.9299	587.87	98.419	73.1279	587.86	98.419	72.3904	588	98.416	72.7759	587.85	98.454
20%	Vmin	160.169	587.22	98.482	159.597	587.17	98.503	159.89	587.18	98.494	159.675	587.14	98.487	160.129	587.27	98.494
30%	Vmin	240.23	586.05	98.519	239.425	586.26	98.504	238.961	586.22	98.505	238.696	586.16	98.511	239.432	586.11	98.515
50%	Vmin	414.823	587.05	98.643	414.397	587.18	98.639	414.847	587.19	98.645	414.68	587.22	98.649	414.333	587.15	98.635
75%	Vmin	539.299	586.27	98.469	539.708	586.25	98.479	539.989	586.11	98.482	540.526	586.2	98.485	541.734	585.96	98.484
100%	Vmin	732.546	587.06	98.152	733.551	586.6	98.152	735.092	586.45	98.133	737.285	586.14	98.122	737.575	586.45	98.116
10%	Vnom	73.2768	701.85	98.203	73.3841	701.88	98.195	73.7231	701.79	98.264	73.5157	702	98.226	73.7713	701.78	98.262
20%	Vnom	165.445	702.87	98.273	165.206	703.15	98.281	164.69	702.98	98.292	164.414	703.11	98.266	164.641	702.94	98.246
30%	Vnom	241.992	702.3	98.306	241.764	702.56	98.284	241.176	702.33	98.300	240.795	702.48	98.284	240.73	702.32	98.300
50%	Vnom	414.883	703.35	98.517	415.227	703.43	98.508	415.394	703.56	98.505	415.126	703.57	98.507	414.275	703.58	98.508
75%	Vnom	540.894	702.76	98.388	539.718	702.62	98.387	539.669	702.85	98.378	538.322	702.72	98.368	538.61	702.52	98.377
100%	Vnom	737.414	701.39	98.072	737.776	701.33	98.064	738.122	701.46	98.066	738.453	701.37	98.074	738.269	701.4	98.064
10%	Vmax	72.6106	821.88	97.888	72.9172	821.7	97.854	72.5627	821.82	97.890	72.6516	821.65	97.888	72.4695	821.79	97.916
20%	Vmax	161.981	821.05	98.002	161.753	820.94	97.996	161.128	821.11	97.988	161.113	820.99	97.998	161.376	821.03	98.013
30%	Vmax	236.176	822.63	98.010	236.179	822.57	98.015	244.114	822.48	98.029	243.986	822.72	98.032	243.444	822.56	98.038
50%	Vmax	414.378	823.88	98.331	415.483	823.91	98.339	415.811	823.83	98.337	415.885	823.8	98.348	415.984	823.81	98.332
75%	Vmax	544.37	820.94	98.245	542.664	821.25	98.235	542.428	821.08	98.242	541.458	821.19	98.234	540.514	821.09	98.230
100%	Vmax	728.047	822.2	97.964	728.984	822.74	97.965	729.764	822.4	97.965	730.805	822.4	97.970	731.649	822.46	97.978

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															