Manufacturer: **Ingeteam Power Technology**

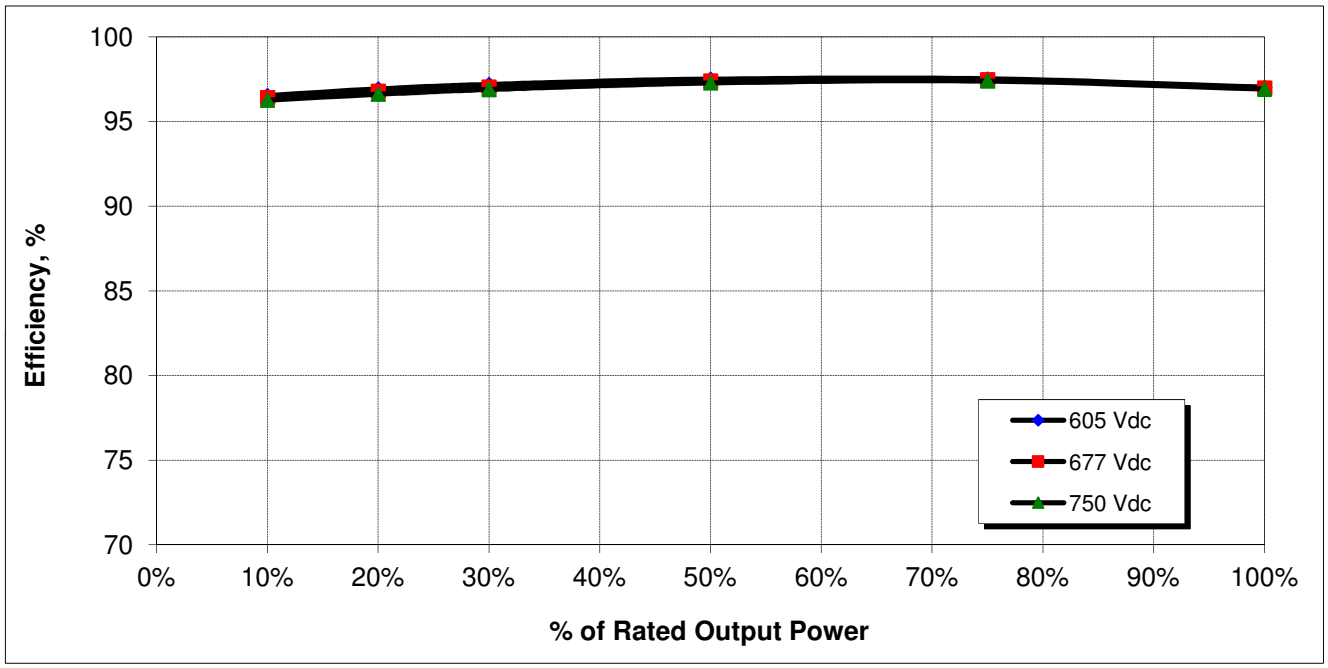
Model #: **Ingecon Sun 880TL U X360 Outdoor**

Rated Maximum Continuous Output Power: 880 kW Night Tare Loss: 120.0 W

Vmin: 605 Vdc Vnom: 677 Vdc Vmax: 750 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		88	176	264	440	660	880	Wtd
Vmin	605	96.5	96.9	97.2	97.5	97.5	97.0	97.4
Vnom	677	96.4	96.8	97.0	97.4	97.5	97.0	97.3
Vmax	750	96.3	96.6	96.9	97.3	97.4	96.9	97.2

CEC Efficiency = 97.5%



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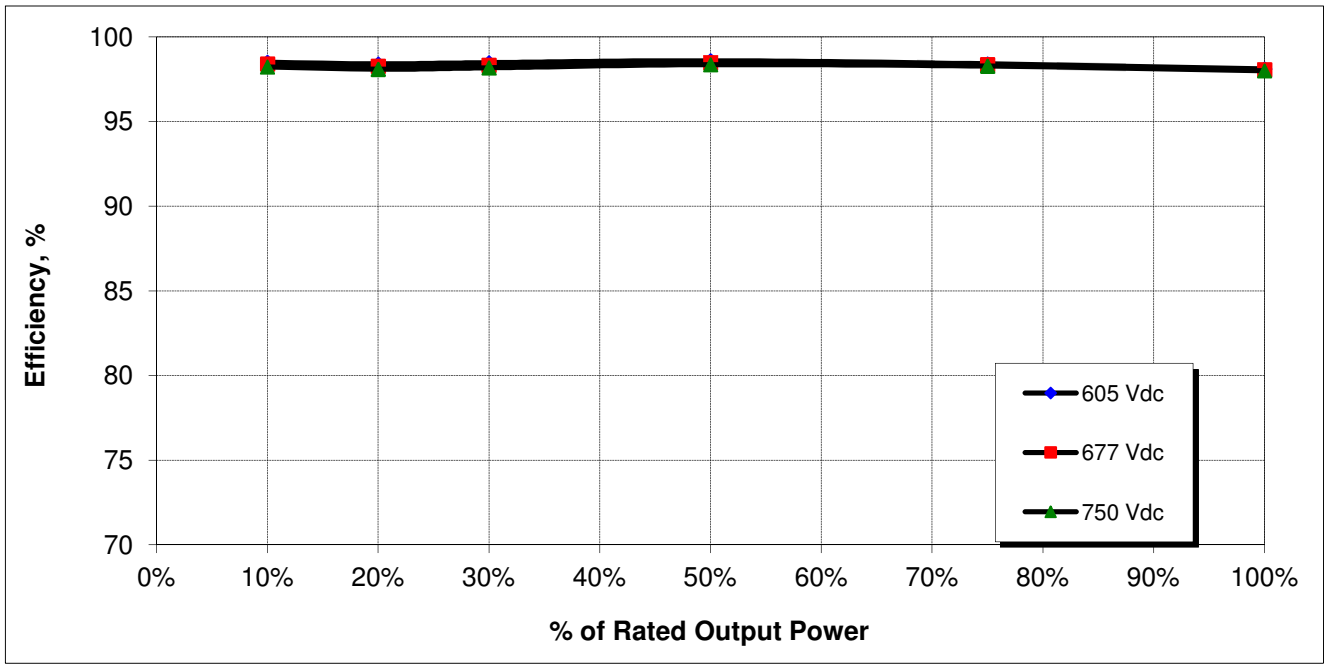
		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		88.00	176.00	264.00	440.00	660.00	880.00	Wtd
Vmin	605	98.5	98.4	98.5	98.6	98.4	98.1	98.4
Vnom	677	98.4	98.3	98.3	98.5	98.4	98.1	98.4
Vmax	750	98.2	98.1	98.2	98.4	98.3	98.0	98.3

Inverter Efficiency w/o Transformer= 98.5%



Transformer Efficiency

	Power Level (%; kW)						
	10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)	88.00	176.00	264.00	440.00	660.00	880.00	Wtd
Vmin	98.0	98.5	98.7	98.9	99.1	98.9	98.9
Vnom	98.0	98.5	98.7	98.9	99.1	98.9	98.9
Vmax	98.0	98.5	98.7	98.9	99.1	98.9	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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	86.9367	607.5	98.482	87.1804	607.43	98.502	87.0174	607.53	98.489	86.7411	607.55	98.511	86.9908	607.6	98.503
20%	Vmin	188.668	606.56	98.407	188.629	606.61	98.401	188.919	606.56	98.420	187.748	606.6	98.398	188.555	606.56	98.400
30%	Vmin	278.485	606.48	98.473	279.005	606.34	98.470	278.741	606.4	98.472	278.907	606.15	98.477	279.339	606.46	98.470
50%	Vmin	405.579	608.59	98.582	405.104	608.69	98.582	405.818	602.76	98.590	405.231	602.79	98.584	406.748	604.73	98.590
75%	Vmin	624.225	606.67	98.403	624.313	606.68	98.406	624.815	606.77	98.407	625.01	606.63	98.406	624.742	606.52	98.404
100%	Vmin	841.666	606.47	98.108	843.597	606.32	98.107	841.628	606.15	98.105	843.23	606.46	98.107	841.925	606.42	98.105
10%	Vnom	86.7348	677.49	98.372	86.1719	677.47	98.403	86.4838	677.52	98.376	86.1307	677.55	98.405	86.3406	677.58	98.419
20%	Vnom	187.024	676.78	98.241	187.135	676.63	98.233	187.784	676.65	98.242	187.8	676.73	98.246	187.975	606.61	98.392
30%	Vnom	277.714	676.7	98.317	276.466	676.59	98.318	277.77	676.62	98.329	277.387	676.58	98.325	277.088	676.73	98.324
50%	Vnom	402.141	678.61	98.485	403.277	678.63	98.488	403.985	678.68	98.487	402.995	678.54	98.490	402.03	678.59	98.487
75%	Vnom	622.613	676.81	98.355	623.517	677.02	98.357	625.043	676.69	98.355	623.875	677.14	98.360	622.764	676.73	98.358
100%	Vnom	847.737	678.62	98.059	848.505	678.35	98.064	847.72	678.52	98.063	844.708	678.36	98.059	846.686	678.54	98.060
10%	Vmax	85.3483	750.05	98.224	85.6236	750.01	98.228	85.5622	750.03	98.237	85.2548	749.96	98.236	85.1819	750.01	98.224
20%	Vmax	190.329	748.92	98.090	190.616	749.04	98.084	189.956	748.98	98.080	190.806	749.09	98.084	191.113	749.12	98.095
30%	Vmax	279.12	749.24	98.168	280.968	749.13	98.168	281.33	749.13	98.175	280.568	749.17	98.175	282.067	749.09	98.181
50%	Vmax	397.235	751.7	98.359	399.094	751.75	98.360	398.365	751.84	98.360	399.522	751.73	98.370	400.077	751.62	98.365
75%	Vmax	621.565	752.04	98.276	619.035	752.08	98.274	621.208	752.12	98.278	617.677	752.27	98.274	629.135	752.12	98.274
100%	Vmax	847.003	750.28	97.988	849.617	750.31	97.992	848.21	750.3	97.996	851.876	750.16	98.000	851.258	750.22	97.998

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															
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