Manufacturer: **Ingeteam Power Technology**

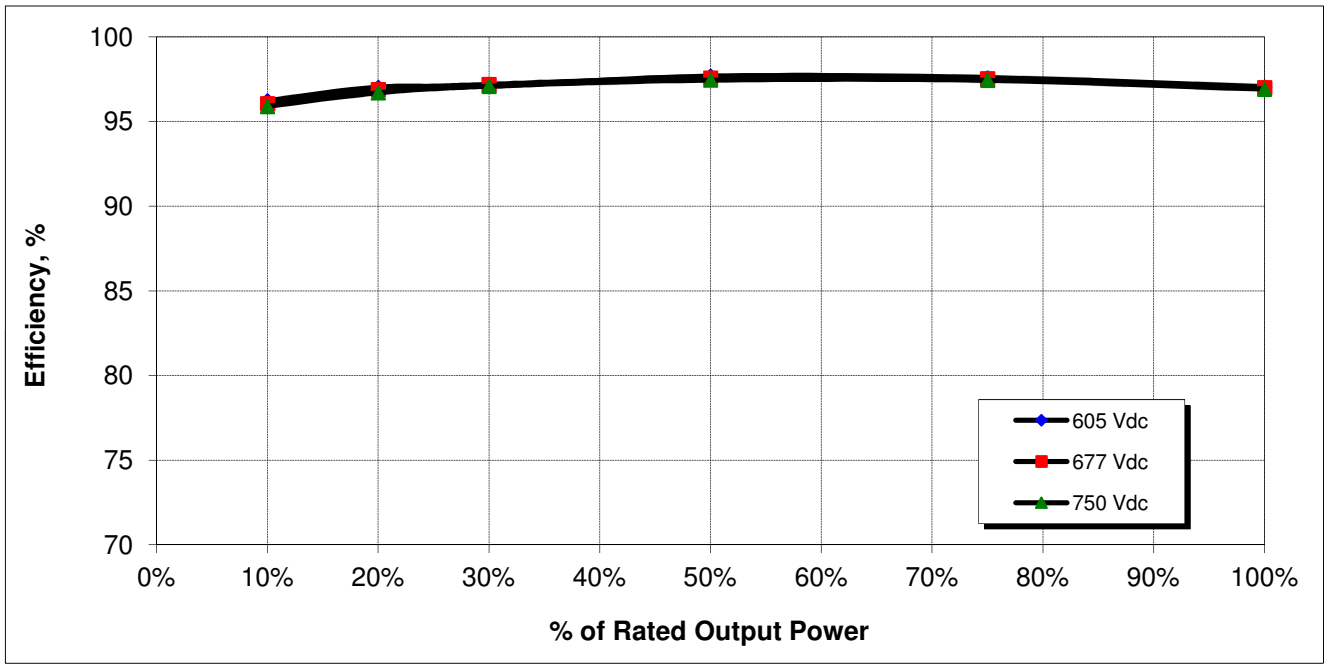
Model #: **Ingecon Sun 660TL U X360 Indoor**

Rated Maximum Continuous Output Power: 660 kW Night Tare Loss: 90.0 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		66	132	198	330	495	660	Wtd
Vmin	605	96.2	97.0	97.1	97.7	97.6	97.0	97.4
Vnom	677	96.1	96.9	97.2	97.6	97.5	97.0	97.4
Vmax	750	95.9	96.7	97.1	97.5	97.4	96.9	97.3

CEC Efficiency = 97.5%



Manufacturer: **Ingeteam Power Technology**

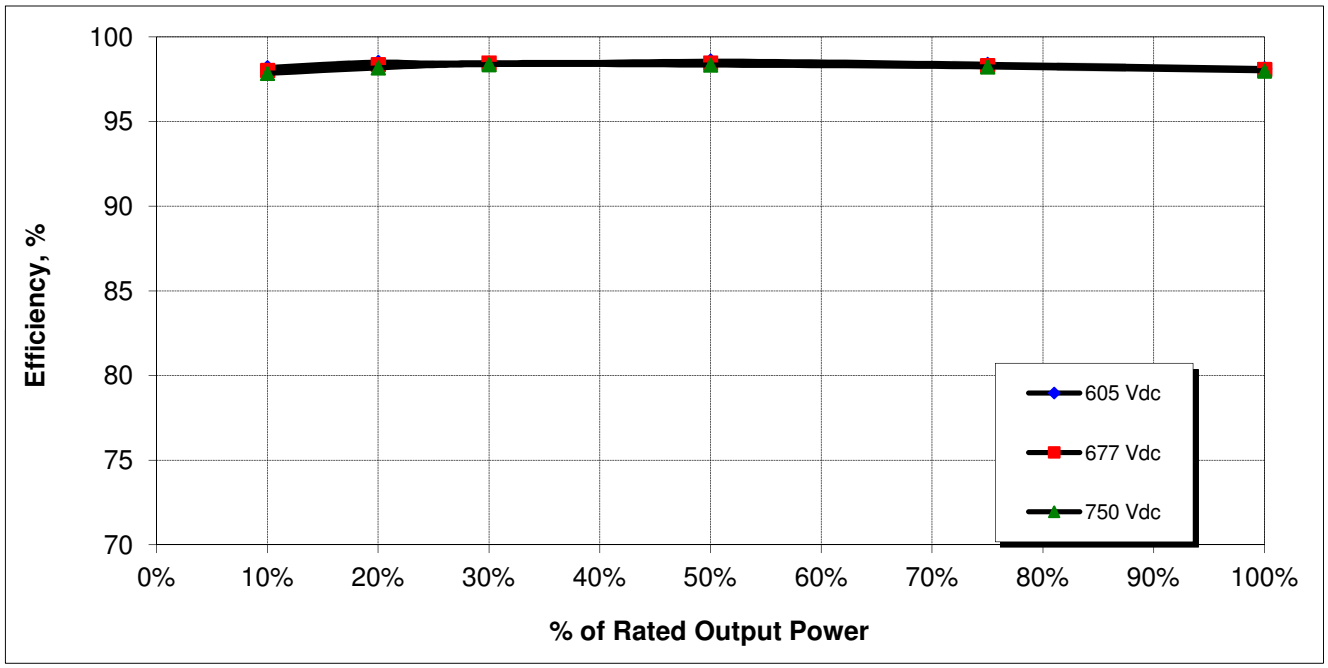
Model #: **Ingecon Sun 660TL U X360 Indoor**

Rated Maximum Continuous Output Power: 660 kW Night Tare Loss: 90.0 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		66.00	132.00	198.00	330.00	495.00	660.00	Wtd
Vmin	605	98.2	98.5	98.4	98.6	98.4	98.1	98.4
Vnom	677	98.0	98.4	98.5	98.5	98.3	98.1	98.3
Vmax	750	97.8	98.2	98.4	98.3	98.2	98.0	98.2

Inverter Efficiency w/o Transformer= 98.5%



Transformer Efficiency

	Power Level (%; kW)						
	10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)	66.00	132.00	198.00	330.00	495.00	660.00	Wtd
Vmin	98.0	98.5	98.7	99.1	99.2	98.9	99.0
Vnom	98.0	98.5	98.7	99.1	99.2	98.9	99.0
Vmax	98.0	98.5	98.7	99.1	99.2	98.9	99.0

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	64.0132	605.93	98.187	63.8851	606.08	98.207	64.2198	605.97	98.168	64.3605	606.04	98.182	64.1094	606.06	98.170
20%	Vmin	144.372	605.52	98.500	144.578	605.51	98.501	144.667	605.43	98.504	145.015	605.47	98.501	144.952	605.41	98.509
30%	Vmin	206.912	749.32	98.362	207.741	749.4	98.361	207.001	749.33	98.359	207.158	749.43	98.369	207.562	749.29	98.363
50%	Vmin	307.646	603.58	98.559	308.915	603.69	98.568	308.919	603.56	98.566	308.003	603.6	98.560	309.104	603.51	98.562
75%	Vmin	469.117	608.41	98.376	469.106	608.39	98.378	466.997	608.32	98.373	468.589	608.41	98.377	466.543	608.58	98.375
100%	Vmin	635.783	606.98	98.119	635.633	606.73	98.120	635.978	607.06	98.120	636.05	606.87	98.125	637.583	606.58	98.123
10%	Vnom	63.5362	677.94	98.064	63.4042	677.79	98.033	63.6626	677.87	97.992	63.6876	678	98.012	63.313	677.83	97.978
20%	Vnom	143.695	677.26	98.349	143.99	677.39	98.353	143.704	677.34	98.366	143.697	677.57	98.352	143.385	677.36	98.372
30%	Vnom	208.683	676.6	98.467	209.776	676.7	98.477	209.823	676.81	98.473	208.869	676.68	98.460	208.792	676.78	98.467
50%	Vnom	307.005	677.4	98.453	306.839	677.47	98.459	307.317	677.48	98.463	307.092	677.42	98.459	307.45	677.43	98.454
75%	Vnom	466.925	678.18	98.320	465.502	678.45	98.317	466.281	678.33	98.314	465.563	678.44	98.312	465.258	678.38	98.313
100%	Vnom	636.363	676.8	98.072	633.607	676.93	98.070	633.571	677.04	98.071	637.041	676.82	98.077	636.449	677.03	98.078
10%	Vmax	62.7827	750.42	97.847	62.3984	750.33	97.830	62.4948	750.33	97.825	62.3706	750.29	97.847	62.3624	750.36	97.879
20%	Vmax	144.616	749.74	98.171	145.208	749.91	98.171	140.548	749.75	98.172	140.675	749.9	98.166	141.07	749.89	98.176
30%	Vmax	207.328	749.26	98.367	207.124	749.31	98.369	207.158	749.43	98.369	207.562	749.29	98.363	207.354	749.43	98.363
50%	Vmax	303.812	750.39	98.333	303.723	750.41	98.339	304.087	750.31	98.338	303.343	750.39	98.336	304.531	750.3	98.333
75%	Vmax	461.699	751.75	98.228	462.057	751.6	98.224	462.904	751.78	98.227	462.23	751.39	98.223	468.24	751.74	98.224
100%	Vmax	635.073	750.17	97.988	633.994	750.16	97.988	633.503	750.24	97.990	636.203	750.26	97.990	635.048	750.04	98.000

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															