Manufacturer: **Ingeteam Power Technology**

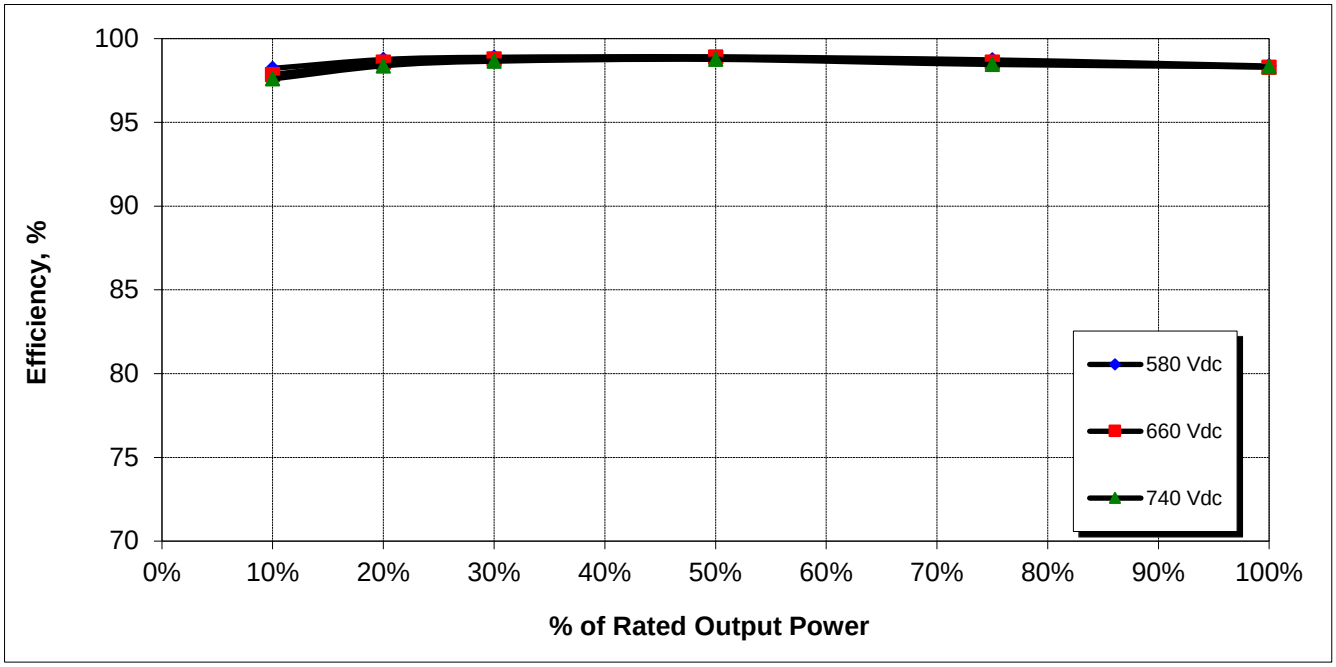
Model #: **Ingecon Sun 1110TL U B400 Indoor**

Rated Maximum Continuous Output Power: 1110 kW Night Tare Loss: < 80.0 W

Vmin: 580 Vdc Vnom: 660 Vdc Vmax: 740 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		111.00	222.00	333.00	555.00	832.50	1110.00	Wtd
Vmin	580	98.2	98.8	98.9	98.9	98.7	98.4	98.7
Vnom	660	97.9	98.6	98.8	98.9	98.6	98.3	98.6
Vmax	740	97.6	98.4	98.7	98.8	98.5	98.3	98.5

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	109.307	589.636	98.265	109.305	589.275	98.218	109.298	589.199	98.161	109.314	589.126	98.242	109.341	590.125	98.229
20%	Vmin	232.891	589.408	98.791	232.881	589.287	98.718	232.880	589.246	98.751	232.877	589.350	98.767	232.866	589.151	98.733
30%	Vmin	357.764	588.612	98.906	357.705	588.617	98.885	357.750	588.833	98.903	357.691	588.673	98.856	357.729	588.747	98.887
50%	Vmin	507.261	587.724	98.908	507.162	587.844	98.900	507.171	587.773	98.906	507.317	587.472	98.916	507.314	587.681	98.917
75%	Vmin	781.918	586.178	98.699	782.148	586.414	98.742	782.203	586.736	98.732	782.002	586.429	98.720	782.347	586.506	98.755
100%	Vmin	1059.240	585.629	98.375	1059.170	585.057	98.361	1059.160	585.141	98.343	1059.400	585.191	98.374	1059.290	584.991	98.370
10%	Vnom	109.366	665.884	97.902	109.351	665.800	97.891	109.347	665.988	97.822	109.336	665.890	97.860	109.326	665.793	97.818
20%	Vnom	232.818	665.210	98.595	232.822	665.355	98.610	232.783	665.393	98.581	232.813	664.818	98.581	232.837	665.494	98.617
30%	Vnom	357.805	664.527	98.753	357.752	664.379	98.759	357.794	664.485	98.806	357.730	664.313	98.782	357.798	664.527	98.815
50%	Vnom	507.263	663.670	98.885	507.320	663.445	98.889	507.351	663.490	98.908	507.311	663.634	98.900	507.320	663.802	98.885
75%	Vnom	781.533	662.579	98.567	781.664	662.472	98.591	781.723	662.477	98.615	781.714	662.689	98.594	781.852	662.834	98.594
100%	Vnom	1058.830	662.011	98.268	1059.030	661.328	98.299	1058.700	661.074	98.283	1058.820	661.256	98.290	1059.150	661.619	98.319
10%	Vmax	109.434	744.265	97.601	109.405	744.380	97.600	109.395	744.236	97.565	109.400	744.188	97.584	109.378	744.283	97.616
20%	Vmax	232.772	744.417	98.331	232.744	743.532	98.388	232.782	744.122	98.391	232.782	743.445	98.395	232.791	743.604	98.378
30%	Vmax	357.862	743.876	98.687	357.734	743.382	98.668	357.750	743.707	98.683	357.699	743.426	98.590	357.792	743.628	98.633
50%	Vmax	507.219	742.586	98.761	507.362	742.936	98.764	507.260	742.914	98.750	507.328	742.517	98.769	507.255	742.906	98.765
75%	Vmax	781.747	741.675	98.471	781.666	741.724	98.468	781.545	741.604	98.433	781.654	741.845	98.450	781.688	741.802	98.461
100%	Vmax	1060.410	741.433	98.333	1060.340	740.722	98.318	1060.400	740.801	98.338	1060.260	741.345	98.329	1060.110	741.063	98.295

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															