Manufacturer: **Ingeteam Power Technology**

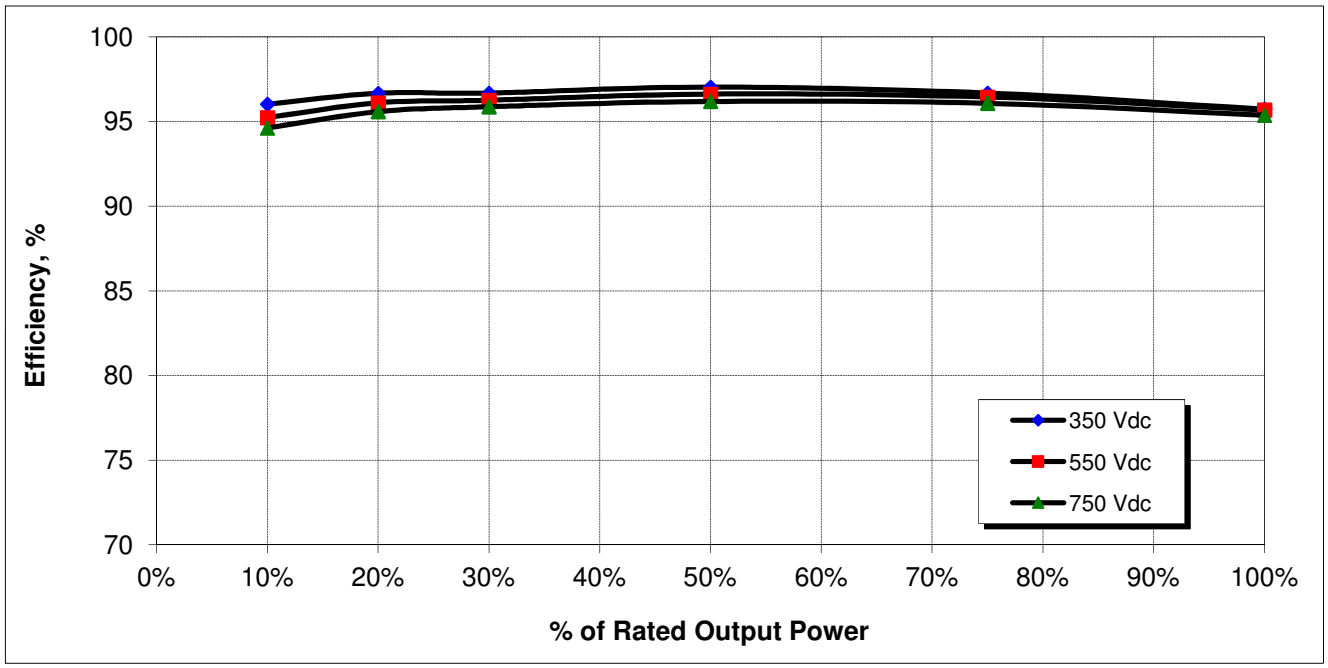
Model #: **Ingecon Sun 375TL U X208 Indoor**

Rated Maximum Continuous Output Power: 375 kW Night Tare Loss: 90.0 W

Vmin: 350 Vdc Vnom: 550 Vdc Vmax: 750 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		38	75	113	188	281	375	Wtd
Vmin	350	96.0	96.7	96.7	97.0	96.7	95.7	96.7
Vnom	550	95.2	96.1	96.3	96.6	96.4	95.7	96.4
Vmax	750	94.6	95.6	95.9	96.2	96.1	95.4	96.0

CEC Efficiency = 96.5%



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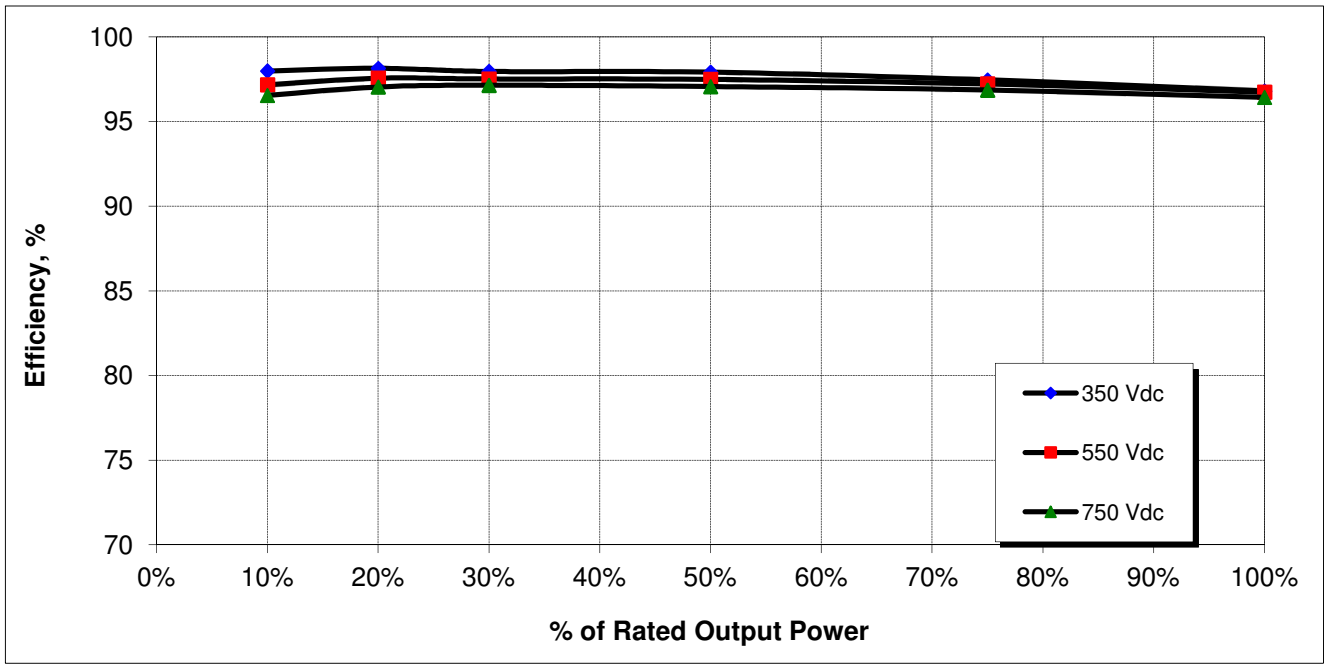
		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		37.50	75.00	112.50	187.50	281.25	375.00	Wtd
Vmin	350	98.0	98.1	98.0	97.9	97.5	96.8	97.6
Vnom	550	97.2	97.6	97.5	97.5	97.2	96.7	97.3
Vmax	750	96.5	97.0	97.1	97.1	96.9	96.4	96.9

Inverter Efficiency w/o Transformer= 97.5%



Transformer Efficiency

	Power Level (%; kW)						
	10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)	37.50	75.00	112.50	187.50	281.25	375.00	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	36.1232	349.58	97.990	35.9579	349.45	97.984	36.1584	349.57	97.976	36.3627	349.42	97.981	36.6811	349.41	97.999
20%	Vmin	80.893	350.63	98.137	81.2616	350.69	98.161	81.1001	350.57	98.140	81.1143	350.57	98.137	80.9699	350.7	98.141
30%	Vmin	119.249	350.03	97.957	120.272	350.12	97.954	119.993	350.05	97.965	120.625	350.13	97.954	120.854	350.18	97.959
50%	Vmin	172.736	352.01	97.909	173.629	352.11	97.911	173.829	352.03	97.913	173.081	352.2	97.910	173.508	352.02	97.916
75%	Vmin	268.396	352.69	97.462	267.471	352.8	97.461	265.708	352.31	97.460	266.696	352.36	97.462	265.777	352.33	97.463
100%	Vmin	361.48	350.83	96.799	361.847	350.44	96.800	360.604	350.47	96.797	361.752	350.72	96.798	362.979	350.51	96.807
10%	Vnom	37.1161	549.83	97.198	37.2653	549.85	97.168	37.3412	549.73	97.152	37.3776	549.91	97.170	37.4583	549.81	97.190
20%	Vnom	80.8748	549.26	97.555	80.7453	549.3	97.562	80.468	549.34	97.576	80.7779	549.3	97.566	80.4087	549.31	97.563
30%	Vnom	122.144	550.89	97.516	119.668	550.89	97.520	119.772	550.93	97.527	119.618	550.79	97.519	119.649	550.8	97.515
50%	Vnom	171.145	551.6	97.489	171.726	551.58	97.493	171.997	551.58	97.489	172.012	551.67	97.494	171.92	551.62	97.490
75%	Vnom	265.264	552.75	97.233	264.111	552.69	97.220	264.192	552.44	97.220	264.352	552.55	97.222	263.577	552.54	97.217
100%	Vnom	361.195	551.48	96.742	359.668	551.67	96.732	359.862	551.57	96.734	361.004	551.37	96.736	360.218	551.38	96.744
10%	Vmax	36.171	750.59	96.519	35.977	750.6	96.620	35.9425	750.48	96.530	35.9976	750.61	96.518	35.8158	750.47	96.540
20%	Vmax	79.7913	750.2	97.057	79.9565	750.13	97.032	79.4193	750.21	97.044	79.5603	750.09	97.039	79.7189	750.13	97.037
30%	Vmax	121.032	749.89	97.137	120.952	749.88	97.120	121.08	749.81	97.155	121.353	749.88	97.154	121.321	749.78	97.139
50%	Vmax	170.93	750.91	97.079	171.01	750.8	97.067	171.099	750.8	97.045	171.435	750.93	97.071	171.033	750.85	97.071
75%	Vmax	263.939	750.16	96.864	264.587	750.31	96.866	264.788	750.13	96.865	263.876	750.26	96.849	264.269	750.26	96.855
100%	Vmax	357.029	751.49	96.429	357.68	751.45	96.431	359.184	751.53	96.429	358.174	751.57	96.431	358.609	751.22	96.438

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															