Manufacturer: Ingeteam Power Technology

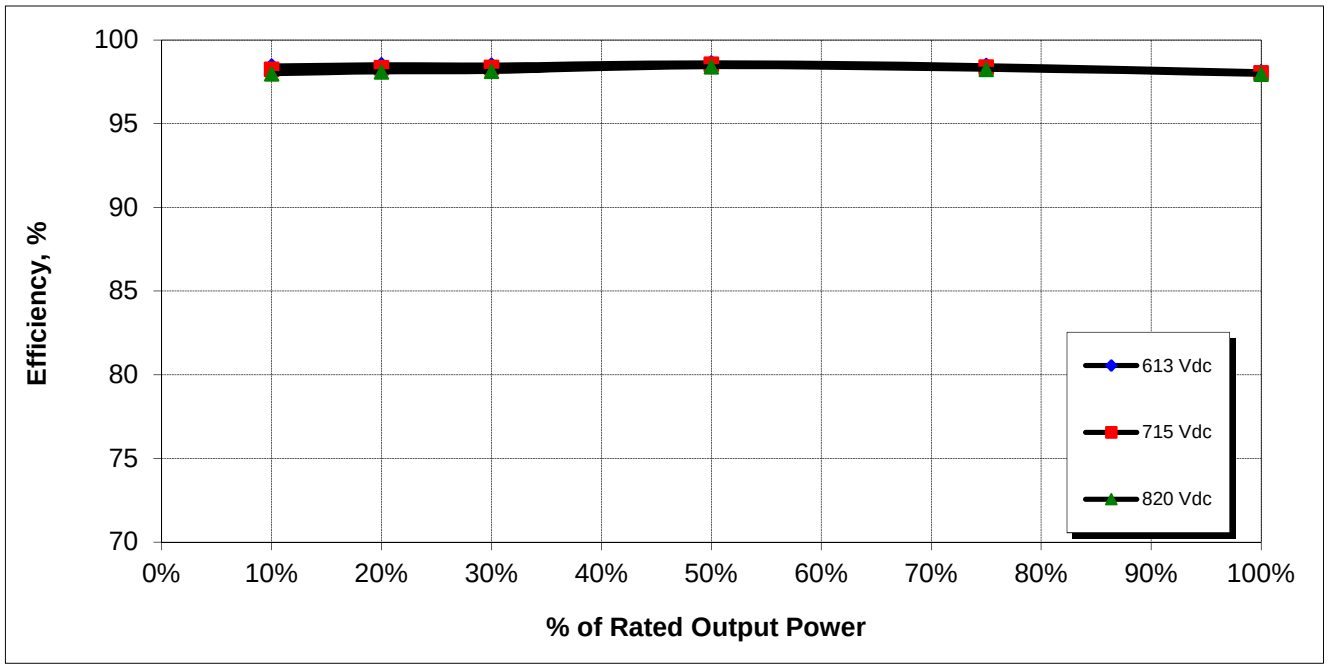
Model #: Ingecon Sun 805TL U X420 Outdoor

Rated Maximum Continuous Output Power: 805 kW Night Tare Loss: 120.00 W

Vmin: 613 Vdc Vnom: 715 Vdc Vmax: 820 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		80.50	161.00	241.50	402.50	603.75	805.00	Wtd
Vmin	613	98.4	98.5	98.5	98.6	98.5	98.1	98.5
Vnom	715	98.2	98.3	98.4	98.5	98.4	98.0	98.4
Vmax	820	98.0	98.1	98.1	98.4	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	74.7978	613.14	98.444	74.6246	612.96	98.477	74.9623	613.08	98.407	75.0132	613.03	98.426	75.816	613.07	98.439
20%	Vmin	161.96	614.18	98.508	166.132	614.31	98.532	166.265	614.06	98.506	167.225	616.32	98.522	166.275	616.21	98.523
30%	Vmin	239.85	615.93	98.499	242.4	615.82	98.493	243.012	615.75	98.501	241.217	615.83	98.493	242.607	615.82	98.517
50%	Vmin	430.812	614.67	98.629	432.806	614.56	98.635	432.851	614.51	98.631	429.99	614.83	98.637	431.95	614.46	98.628
75%	Vmin	564.197	615.94	98.478	566.788	615.53	98.477	565.778	615.81	98.466	564.959	615.64	98.461	563.543	615.82	98.475
100%	Vmin	765.725	612.41	98.116	772.005	612.09	98.103	778.729	613.8	98.078	777.597	614.3	98.092	777.472	614.28	98.083
10%	Vnom	80.0393	715.8	98.272	79.9529	715.86	98.232	79.864	715.89	98.174	79.3872	716	98.251	79.9106	715.83	98.279
20%	Vnom	166.641	717.39	98.320	167.281	717.26	98.320	167.282	717.35	98.340	167.235	717.31	98.349	168.207	717.44	98.346
30%	Vnom	253.714	716.75	98.352	253.887	716.83	98.348	253.268	714.75	98.351	253.218	714.6	98.368	253.923	714.77	98.360
50%	Vnom	434.772	715.66	98.544	435.028	715.8	98.552	433.903	715.86	98.526	432.926	715.99	98.540	432.342	715.87	98.545
75%	Vnom	570.579	715.2	98.368	570.188	715.37	98.378	571.373	715.22	98.362	572.617	715.22	98.378	570.806	715.05	98.395
100%	Vnom	775.681	715.65	98.020	774.379	715.54	98.013	773.9	715.7	98.016	772.81	715.45	98.015	774.076	715.75	98.113
10%	Vmax	78.0745	822.25	97.947	78.5751	822.39	98.032	78.4731	822.3	97.919	78.6938	822.41	97.973	78.6627	822.32	98.044
20%	Vmax	163.456	822.03	98.106	163.555	821.98	98.071	163.879	822.06	98.098	163.819	822.01	98.103	164.235	822.04	98.094
30%	Vmax	249.181	821.59	98.127	248.581	821.74	98.123	248.236	821.58	98.127	247.848	821.69	98.111	247.385	821.61	98.126
50%	Vmax	437.458	820.61	98.396	437.505	820.86	98.415	437.341	820.64	98.395	436.641	820.79	98.402	436.051	820.64	98.411
75%	Vmax	573.545	822.19	98.244	573.087	822.39	98.253	572.38	822.21	98.243	572.93	822.46	98.248	574.393	822.13	98.255
100%	Vmax	770.47	820.97	97.952	769.494	820.84	97.960	768.823	821.03	97.963	768.045	820.93	97.950	765.004	821.17	97.942

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															