Manufacturer: **Ingeteam Power Technology**

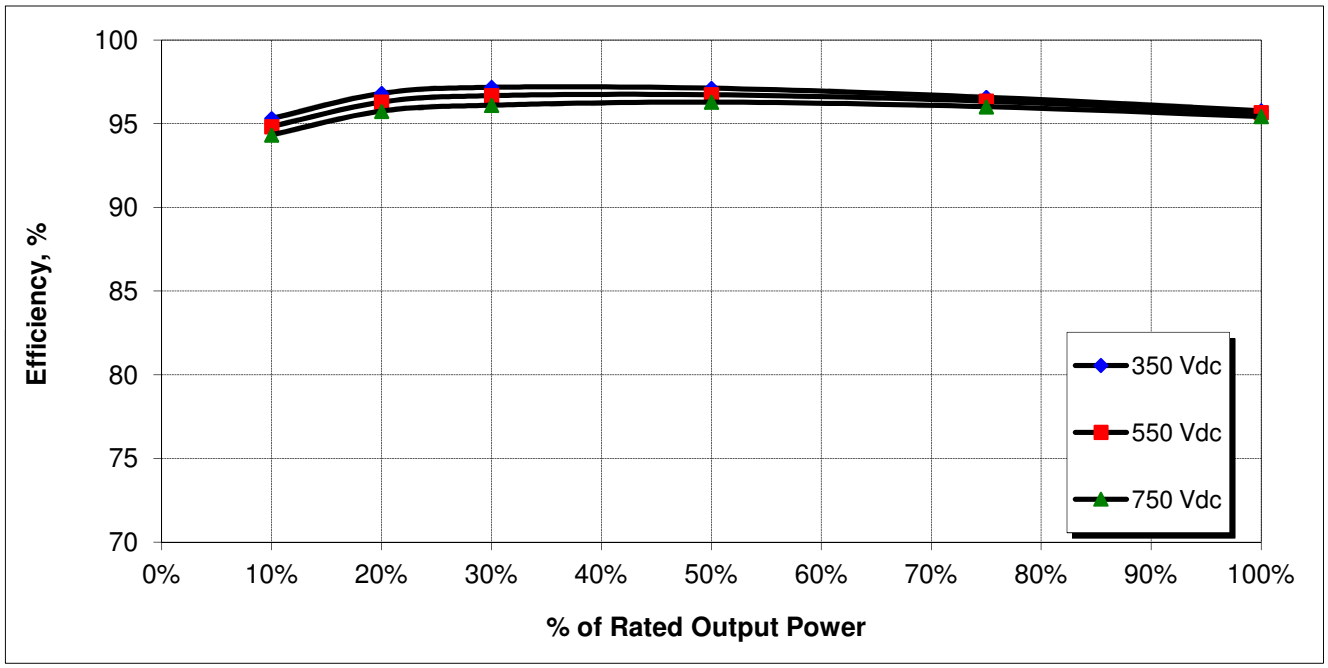
Model #: **Ingecon Sun 500T U X480 Outdoor**

Rated Maximum Continuous Output Power: 500.00 kW Night Tare Loss: 120.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		50.00	100.00	150.00	250.00	375.00	500.00	Wtd
Vmin	350	95.3	96.8	97.2	97.1	96.6	95.8	96.7
Vnom	550	94.8	96.3	96.7	96.7	96.3	95.7	96.4
Vmax	750	94.3	95.7	96.1	96.3	96.0	95.4	96.0

CEC Efficiency = 96.5%



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	48.383	349.85	95.314	48.6974	349.66	95.305	48.5956	350.31	95.302	48.6631	350.2	95.303	48.1911	349.81	95.309
20%	Vmin	108.438	351.34	96.799	107.982	351.2	96.798	107.382	351.25	96.807	108.265	350.99	96.796	107.765	350.76	96.810
30%	Vmin	161.037	350.49	97.161	162.235	351.09	97.171	162.392	349.75	97.168	162.38	350.55	97.170	161.951	350.75	97.164
50%	Vmin	228.218	350.12	97.114	229.016	350.39	97.118	229.009	350.48	97.114	229.39	350.84	97.126	228.696	350.93	97.116
75%	Vmin	357.186	349.81	96.578	356.309	349.66	96.574	357.148	349.66	96.575	356.892	349.92	96.574	356.454	349.92	96.573
100%	Vmin	482.034	351.35	95.784	480.714	350.99	95.775	479.475	351.2	95.763	481.863	351.34	95.776	479.617	350.86	95.766
10%	Vnom	47.6295	549.43	94.827	47.682	549.37	94.798	47.8056	549.35	94.796	47.5101	549.41	94.857	47.9376	549.31	94.831
20%	Vnom	106.043	548.98	96.300	106.322	548.99	96.296	105.866	549.05	96.290	106.405	548.97	96.283	106.257	548.95	96.282
30%	Vnom	165.166	550.59	96.691	164.328	550.68	96.670	164.966	550.44	96.683	165.119	550.66	96.669	165.189	550.55	96.674
50%	Vnom	231.016	550.29	96.726	231.741	550.31	96.742	231.653	549.99	96.738	231.427	550.08	96.726	229.852	550.28	96.725
75%	Vnom	353.082	551.03	96.349	353.533	551.12	96.356	351.299	551.22	96.329	353.633	551.15	96.353	353.02	551.2	96.344
100%	Vnom	481.239	550.91	95.665	482.605	550.09	95.674	480.921	550.3	95.653	482.941	550.61	95.672	483.045	550.12	95.672
10%	Vmax	48.4724	750.74	94.306	48.3413	750.85	94.330	48.2122	750.84	94.406	48.851	750.68	94.292	48.6498	750.76	94.313
20%	Vmax	108.41	748.97	95.728	107.997	749.03	95.752	108.293	748.79	95.738	108.441	749.05	95.765	107.331	749.05	95.737
30%	Vmax	155.897	751.12	96.085	156.932	751.14	96.096	156.472	751.1	96.093	157.075	751.07	96.122	156.476	751.16	96.106
50%	Vmax	229.009	750.11	96.293	228.445	750.08	96.277	228.107	749.98	96.288	229.171	750.04	96.293	228.211	749.95	96.278
75%	Vmax	355.624	748.49	96.010	356.626	748.57	96.029	354.565	748.66	95.992	356.481	748.7	96.017	355.599	748.74	96.000
100%	Vmax	480.267	748.9	95.427	480.983	748.5	95.430	479.95	747.93	95.423	480.182	748.81	95.426	478.675	748.49	95.416

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															