Manufacturer: Ingeteam Power Technology

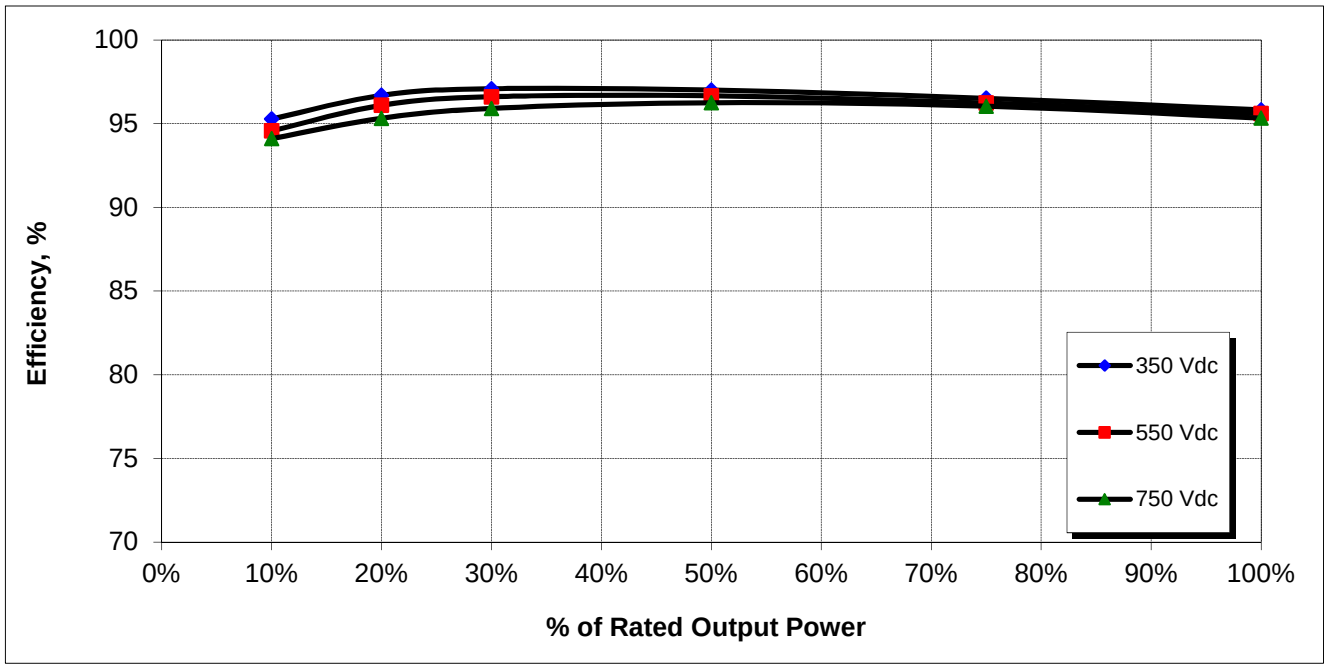
Model #: Ingecon Sun 375T U X480 Outdoor

Rated Maximum Continuous Output Power: 375.00 kW Night Tare Loss: 90.00 W

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

		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	95.3	96.7	97.1	97.0	96.5	95.8	96.6
Vnom	550	94.6	96.1	96.6	96.7	96.2	95.6	96.3
Vmax	750	94.1	95.3	95.9	96.3	96.0	95.3	95.9

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	38.101	369.71	95.290	37.895	369.79	95.292	37.883	369.72	95.273	37.817	369.77	95.256	37.833	369.75	95.256
20%	Vmin	82.749	364.42	96.711	82.727	364.4	96.685	82.834	364.34	96.692	83.11	364.36	96.688	82.745	364.42	96.675
30%	Vmin	121.926	361.21	97.091	122.313	361.16	97.094	122.603	360.83	97.093	122.088	360.95	97.074	122.384	361.23	97.078
50%	Vmin	205.051	350.15	97.000	205.133	350.03	97.007	204.055	350.55	97.004	204.73	350.82	97.000	204.054	350.33	97.024
75%	Vmin	282.043	350.03	96.524	281.136	350.94	96.523	281.003	350.31	96.514	281.486	350.17	96.509	282.166	350.04	96.505
100%	Vmin	354212	350.43	95.831	357694	350.43	95.830	358457	350.02	95.824	358457	350.02	95.824	354082	350.35	95.814
10%	Vnom	37.598	550.46	94.512	37.508	550.4	94.560	37.512	550.41	94.591	37.589	550.4	94.562	37.344	550.46	94.596
20%	Vnom	83.113	550.69	96.066	82.627	550.74	96.094	82.604	550.63	96.097	82.664	550.67	96.106	82.986	550.79	96.120
30%	Vnom	120.83	550.45	96.588	120.715	550.4	96.605	121.665	550.33	96.609	120.948	550.42	96.619	121.346	552.38	96.618
50%	Vnom	213.91	550.9	96.654	213.652	550.2	96.652	213.295	550	96.660	214.161	550.94	96.670	213.633	550.98	96.675
75%	Vnom	281.377	550.77	96.215	282.128	550.67	96.229	281.981	550.74	96.228	282.128	550.67	96.229	281.131	550.39	96.232
100%	Vnom	356511	550.15	95.596	356284	550.29	95.601	356425	550.33	95.608	356284	550.29	95.601	357125	550.58	95.618
10%	Vmax	37.864	750.81	94.155	37.779	750.89	94.089	37.786	750.89	94.127	37.997	750.79	94.074	37.779	750.89	94.089
20%	Vmax	82.335	750.22	95.338	82.115	750.19	95.328	82.283	750.16	95.318	82.248	750.2	95.327	81.915	750.38	95.304
30%	Vmax	123.009	750.42	95.919	123.207	750.41	95.918	122.68	750.25	95.906	123.419	750.52	95.908	122.541	750.55	95.904
50%	Vmax	206.653	750.84	96.260	206.275	750.91	96.248	206.522	750.04	96.263	205.742	750.01	96.254	206.487	750.96	96.249
75%	Vmax	281.221	750.35	96.059	279.336	750.57	96.015	281.191	750.54	96.065	281.056	750.23	96.051	281.406	750.56	96.047
100%	Vmax	357.423	750.24	95.322	357.475	750.69	95.324	356.004	750.71	95.338	357404	750.34	95.340	357.287	750.64	95.320

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															