Manufacturer: **Ingeteam Power Technology**

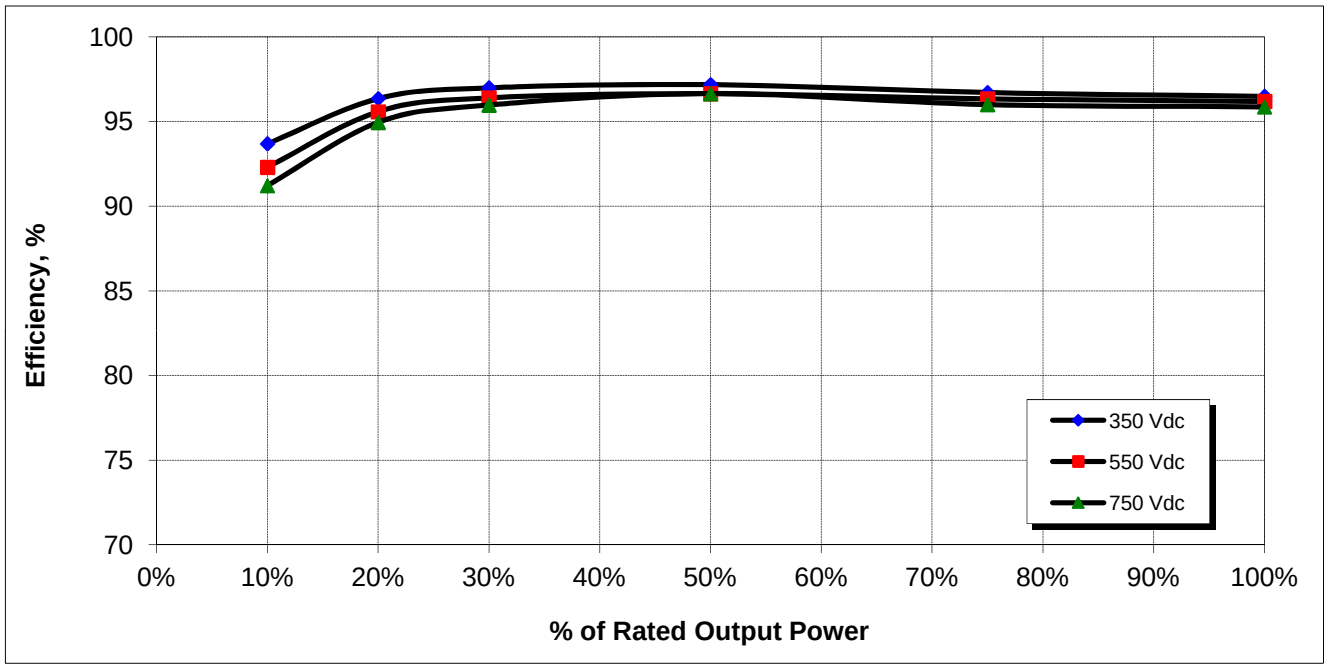
Model #: **Ingecon Sun 125 U 208 Outdoor**

Rated Maximum Continuous Output Power: 125.0 kW Night Tare Loss: 1.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		12.50	25.00	37.50	62.50	93.75	125.00	Wtd
Vmin	350	93.7	96.4	97.0	97.2	96.7	96.5	96.7
Vnom	550	92.3	95.6	96.4	96.6	96.3	96.2	96.2
Vmax	750	91.2	94.9	96.0	96.6	96.0	95.9	95.9

CEC Efficiency = 96.5%



Inverter Efficiency Data

	Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
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
(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
Vmin	12.3696	348.906	93.657	12.3763	348.879	93.668	12.374	348.768	93.687	12.377	348.707	93.714	12.3793	348.657	93.726
Vmin	26.8541	351.48	96.36	26.8803	351.484	96.358	26.845	351.476	96.355	26.8642	351.42	96.359	26.8301	351.369	96.347
Vmin	40.4457	351.117	96.994	40.4241	351.101	96.992	40.4217	351.067	96.986	40.4441	351.071	97.009	40.4448	351.073	96.996
Vmin	57.6874	350.736	97.179	57.7306	350.687	97.179	57.7015	350.611	97.194	57.4761	350.662	97.172	57.2841	350.651	97.186
Vmin	87.8252	351.705	96.728	87.8387	350.329	96.725	87.8973	350.11	96.726	87.9258	350.02	96.724	87.9126	350.164	96.711
Vmin	118.91	350.291	96.489	118.882	350.42	96.481	118.875	350.41	96.495	118.963	350.417	96.487	118.946	350.437	96.5
Vnom	12.3938	550.928	92.362	12.3857	550.934	92.269	12.3982	550.985	92.281	12.3904	551.039	92.292	12.3922	551.034	92.294
Vnom	26.7591	551.384	95.56	26.7492	551.401	95.571	26.75	551.396	95.587	26.7541	551.315	95.586	26.7412	551.3	95.58
Vnom	40.3035	549.376	96.364	40.3068	549.356	96.386	40.3333	549.302	96.409	40.33	549.302	96.42	40.3068	549.31	96.386
Vnom	56.7035	550.757	96.634	56.7605	550.702	96.634	56.7435	550.708	96.652	56.7713	550.695	96.635	56.8051	550.582	96.659
Vnom	88.075	551.466	96.329	88.1604	551.572	96.348	88.1529	551.532	96.339	88.1025	551.405	96.343	88.0495	551.559	96.334
Vnom	118.916	550.088	96.192	118.844	550.065	96.195	118.827	550.139	96.189	119.434	550.22	96.175	119.378	550.15	96.189
Vmax	12.3434	752.7	91.222	124.137	752.723	91.297	123.588	752.799	91.213	12.3487	752.793	91.211	12.356	752.829	91.148
Vmax	27.351	752.278	94.943	27.371	752.274	94.948	27.3842	752.261	94.981	27.3703	752.26	94.927	27.4006	752.268	94.932
Vmax	40.3593	750.211	95.99	40.3447	749.881	95.983	40.359	750.119	95.957	40.3451	749.896	95.962	40.358	750.1018	95.964
Vmax	56.4213	750.13	96.634	56.4082	749.742	96.634	56.449	750.019	96.652	56.4288	749.906	96.635	56.3768	750.098	96.659
Vmax	87.9014	750.313	96.007	87.6947	749.842	95.991	87.9275	750.809	95.988	88.0727	749.756	96.007	89.0169	749.798	95.99
Vmax	119.067	750.112	95.863	119.157	750.213	95.867	119.078	750.322	95.855	119.202	750.002	95.867	119.148	749.887	95.863

		Sample #6			Sample #7			Sample #8			Sample #9				
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
(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
Vmin															
Vmin															
Vmin															
Vmin															
Vmin															
Vmin															
Vnom															
Vnom															
Vnom															
Vnom															
Vnom															
Vnom															
Vmax															
Vmax															
Vmax															
Vmax															
Vmax															
Vmax															