Manufacturer: **Ingeteam Power Technology**

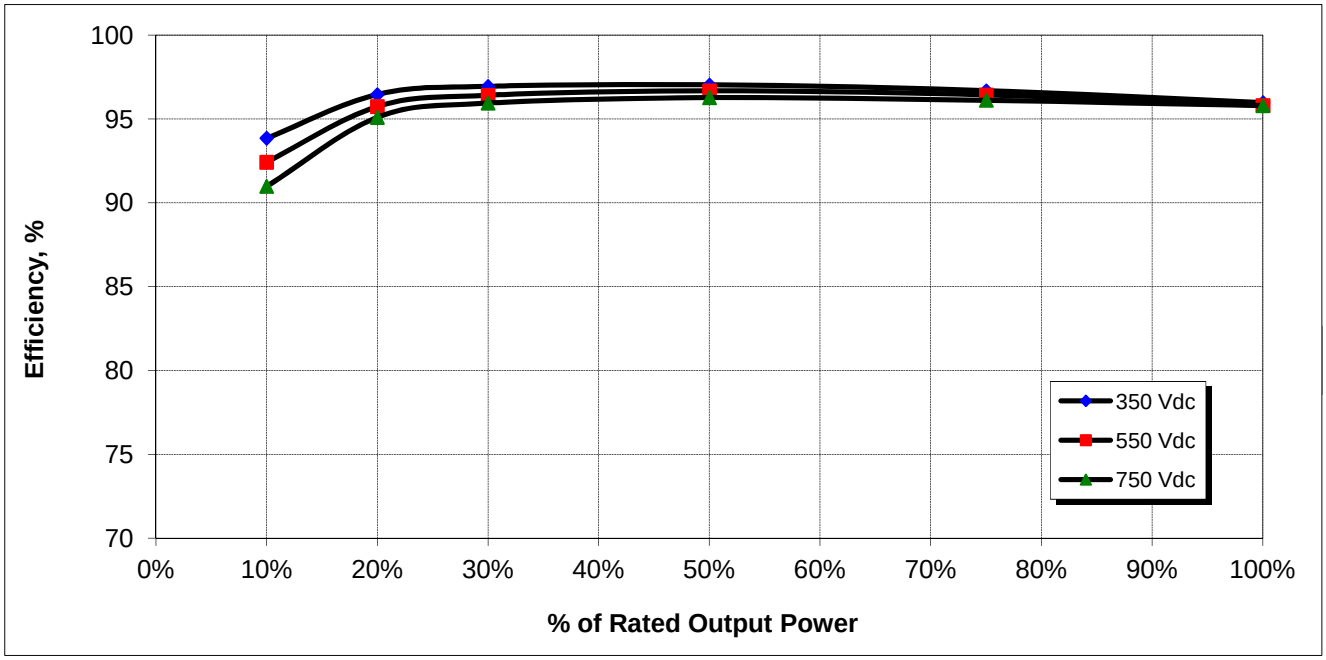
Model #: **Ingecon Sun 125 TL U 208 Outdoor**

Rated Maximum Continuous Output Power: 125.00 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	93.9	96.5	96.9	97.0	96.7	96.0	96.6
Vnom	550	92.4	95.7	96.4	96.7	96.4	95.8	96.3
Vmax	750	91.0	95.1	95.9	96.3	96.1	95.8	95.9

CEC Efficiency = 96.5%



Transformer Efficiency

	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	96.2	98.1	98.6	98.8	98.8	98.7	98.6
Vnom	96.2	98.1	98.6	98.8	98.8	98.7	98.6
Vmax	96.2	98.1	98.6	98.8	98.8	98.7	98.6

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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	12.3009	353.9	93.909	12,261	353.9	93.855	12,276	353.9	93.866	12,215	353.9	93.810	12291	353.87	93.855
20%	Vmin	26.4223	351.3	96.497	26,432	351.4	96.453	26,402	351.3	96.458	26,426	351.3	96.451	26649	351.294	96.430
30%	Vmin	39.6055	350.8	96.974	39,273	350.8	96.958	39,112	350.8	96.940	38,946	350.8	96.919	38784	350.738	96.912
50%	Vmin	57.8158	351.1	97.042	57,644	351.1	97.040	57,269	351.2	97.032	57,054	351.2	97.032	56822	351.19	97.018
75%	Vmin	88.8626	349.3	96.704	88,006	349.3	96.677	88,387	349.3	96.701	88,009	349.2	96.681	88598	349.211	96.692
100%	Vmin	120.263	349.6	95.981	119,573	349.7	95.968	120,300	349.6	95.971	120,336	349.7	95.963	120599	349.814	95.973
10%	Vnom	11.9529	550.9	92.493	11,899	550.9	92.448	11,807	551	92.418	11,728	551	92.393	11745	550.99	92.353
20%	Vnom	26.2507	551	95.749	26,182	551	95.727	26,277	551	95.737	26,374	551	95.741	26444	551.01	95.752
30%	Vnom	39.1244	550.1	96.409	39,273	550.1	96.413	39,384	550.1	96.430	39,180	550.1	96.423	38992	550.178	96.433
50%	Vnom	56.91	552.9	96.698	56,928	552.9	96.688	56,655	552.9	96.666	56,818	552.9	96.677	56519	552.931	96.677
75%	Vnom	88.2167	553.6	96.446	88,712	553.6	96.463	88,305	553.6	96.441	88,037	553.7	96.433	88615	553.622	96.436
100%	Vnom	121.383	553.3	95.840	120,184	553.4	95.799	119,758	553.5	95.793	119,165	553.5	95.811	119065	553.428	95.790
10%	Vmax	11.5558	752.5	90.975	11,453	752.5	90.937	11,523	752.5	90.997	11,538	752.5	90.930	11627	752.448	91.069
20%	Vmax	26.4223	750	95.101	26,432	749.9	95.097	26,402	749.9	95.106	26,426	749.9	95.064	26649	749.916	95.128
30%	Vmax	39.3475	749.7	95.938	39,151	749.7	95.911	39,303	749.8	95.928	39,456	749.8	95.974	39582	749.778	95.990
50%	Vmax	57.2903	751.2	96.283	57,291	751.2	96.268	57,183	751.3	96.277	56,737	751.3	96.251	57012	751.337	96.281
75%	Vmax	88.3078	752.4	96.089	88,483	752.4	96.106	88,597	752.4	96.140	88,158	752.4	96.122	88156	752.391	96.110
100%	Vmax	119.694	750.5	95.745	120,131	750.5	95.792	120,635	750.6	95.813	120,861	750.5	95.825	120666	750.543	95.815

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin															
20%	Vmin															
30%	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															