Manufacturer: Ingeteam Power Technology

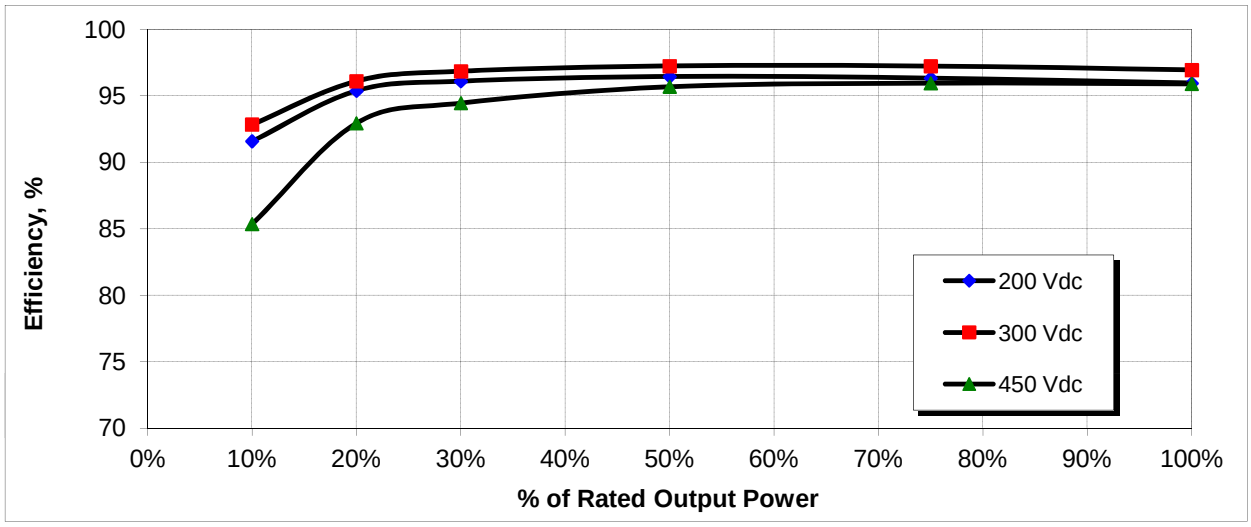
Model #: 3.6 TL U 208Vac

Rated Maximum Continuous Output Power: 3.6 kW Night Tare Loss: 0.50 W

Vmin: 200 Vdc Vnom: 300 Vdc Vmax: 450 Vdc

Input Voltage (Vdc)		Power Level (%; kW) 10%	20%	30%	50%	75%	100%	Wtd
Vmin	200	91.6	95.4	96.1	96.5	96.3	96.0	96.1
Vnom	300	92.8	96.1	96.8	97.2	97.2	96.9	96.9
Vmax	450	85.4	92.9	94.5	95.7	96.0	95.9	95.1

CEC Efficiency = 96%



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	332.26	200.02	91.497	333.5	200.14	91.533	333.8	200.3	91.630	334.4	200.33	91.624	334.6	200.38	91.661
20%	Vmin	775.42	200.71	95.399	777.4	200.73	95.394	777	200.83	95.379	778.4	200.59	95.355	777.4	200.31	95.367
30%	Vmin	1133	200.76	96.089	1132	201.08	96.103	1131	201.24	96.089	1131	201.64	96.116	1132	201.79	96.106
50%	Vmin	1933.6	200.9	96.449	1934	201.1	96.438	1935	200.96	96.461	1935	200.63	96.448	1934	200.63	96.465
75%	Vmin	2580.3	200.42	96.340	2578	199.82	96.337	2578	199.85	96.336	2579	199.97	96.338	2577	199.87	96.337
100%	Vmin	3463.1	201.17	95.933	3462	201.13	95.947	3460	201.45	95.966	3461	201.44	95.960	3461	201.44	95.967
10%	Vnom	349.89	300.78	92.900	350.1	300.82	92.847	349.1	300.98	92.853	349.5	301.29	92.830	349.9	301.29	92.792
20%	Vnom	778.79	300.35	96.110	779	300.15	96.128	779	300.16	96.085	778.3	300.31	96.099	779.3	300.39	96.096
30%	Vnom	1140.9	301.35	96.834	1143	301.17	96.846	1142	301.06	96.826	1144	300.64	96.868	1144	300.65	96.868
50%	Vnom	1948.7	301.83	97.237	1949	301.66	97.249	1948	301.54	97.240	1948	301.61	97.243	1948	301.63	97.246
75%	Vnom	2587.4	301.27	97.241	2588	301.29	97.243	2588	301.7	97.234	2588	301.57	97.240	2588	301.62	97.240
100%	Vnom	3465.2	302.06	96.953	3465	301.98	96.953	3464	302.88	96.931	3462	303.26	96.925	3462	302.91	96.927
10%	Vmax	326.87	450.83	84.871	323.6	451.71	85.466	321.3	451.15	85.375	324.3	450.51	85.578	321.8	450.76	85.519
20%	Vmax	789.27	451.24	92.899	789.5	450.57	92.920	789.6	450.76	92.947	789.4	450.66	92.988	789.8	450.65	92.948
30%	Vmax	1135	450.6	94.326	1135	450.67	94.450	1135	450.02	94.489	1133	450.01	94.494	1134	449.92	94.530
50%	Vmax	1932.4	451.27	95.671	1933	451.34	95.663	1931	450.91	95.708	1932	451.03	95.692	1932	451.36	95.695
75%	Vmax	2568	450	95.964	2567	450.08	95.960	2569	450.02	95.961	2569	450.33	95.952	2569	450.26	95.954
100%	Vmax	3448.2	450.33	95.906	3446	449.93	95.896	3446	449.89	95.909	3444	449.64	95.908	3446	449.61	95.913

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															
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															