Manufacturer: Ingeteam Power Technology

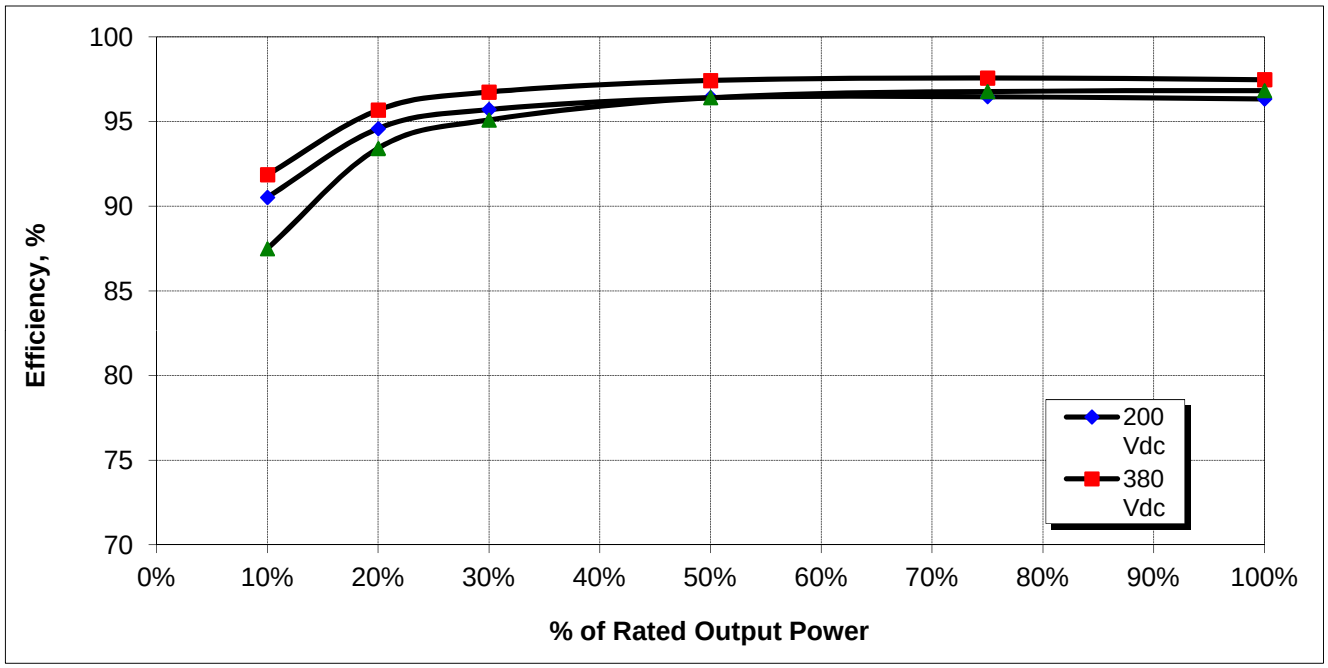
Model #: 3.6 TL U 240Vac

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

Vmin: 200 Vdc Vnom: 380 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)								Wtd
Vmin	200	90.5	94.6	95.7	96.4	96.5	96.3	96.0
Vnom	380	91.9	95.7	96.7	97.4	97.6	97.5	97.1
Vmax	450	87.5	93.4	95.1	96.4	96.8	96.8	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)	(%)	(W)	(Vdc)	(%)
10%	Vmin	346.703	201.45	90.508	346.35	201.8	90.538	346	201.94	90.522	345.8	202.03	90.534	345.8	202.09	90.530
20%	Vmin	757.805	200.71	94.605	758.723	200.74	94.588	758.4	200.89	94.576	758.3	200.94	94.592	758.5	201.04	94.582
30%	Vmin	1119.17	201.38	95.732	1119.99	200.92	95.697	1121	200.9	95.714	1120	200.99	95.713	1121	201.05	95.714
50%	Vmin	1938.91	200.73	96.397	1938.23	200.87	96.427	1937.7	200.91	96.423	1938	200.95	96.428	1937	201.04	96.438
75%	Vmin	2818.48	201.94	96.491	2819.1	201.92	96.475	2819.4	201.9	96.478	2819	201.93	96.476	2819	201.97	96.469
100%	Vmin	3459.68	203.31	96.342	3460.24	203.29	96.339	3459.8	203.37	96.339	3460	203.43	96.339	3459	203.28	96.332
10%	Vnom	344.887	349.39	91.878	345.043	349.53	91.864	344.88	349.54	91.860	344.8	349.44	91.858	345	349.4	91.849
20%	Vnom	750.934	351.17	95.664	751.361	350.93	95.673	750.64	350.62	95.674	750.4	350.34	95.671	750.5	350.21	95.678
30%	Vnom	1127.83	349.19	96.742	1127.85	349.68	96.741	1127.7	349.95	96.738	1128	350.26	96.732	1128	350.47	96.736
50%	Vnom	1949.97	350.34	97.410	1950.76	350.12	97.421	1950.3	350.04	97.423	1952	349.89	97.429	1952	349.78	97.432
75%	Vnom	2831.63	350.74	97.565	2831.1	350.78	97.562	2831.8	350.69	97.566	2833	350.67	97.571	2831	350.76	97.568
100%	Vnom	3459.27	353.05	97.460	3458.92	352.99	97.462	3460.8	352.66	97.468	3462	352.3	97.474	3465	351.6	97.487
10%	Vmax	361.481	452.28	87.812	351.215	452.48	87.395	350.39	452.08	87.428	350.2	452.4	87.407	350.4	452.64	87.406
20%	Vmax	758.376	450.77	93.456	757.303	451.12	93.394	757.75	450.96	93.414	757.3	450.88	93.409	757.3	450.93	93.409
30%	Vmax	1122.61	450.94	95.094	1124.2	451.37	95.096	1124.2	451.85	95.089	1125	452.13	95.092	1125	452.48	95.089
50%	Vmax	1935.28	449.25	96.414	1932.54	449.03	96.403	1933.9	448.78	96.411	1934	448.67	96.414	1933	448.5	96.419
75%	Vmax	2805.5	450.79	96.773	2807.87	450.96	96.768	2808.3	451.02	96.766	2808	450.99	96.769	2809	450.91	96.769
100%	Vmax	3442.09	447.76	96.831	3443.49	448.25	96.828	3442.8	448.56	96.827	3443	448.77	96.822	3444	448.93	96.823

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															