Manufacturer: Ingeteam Power Technology

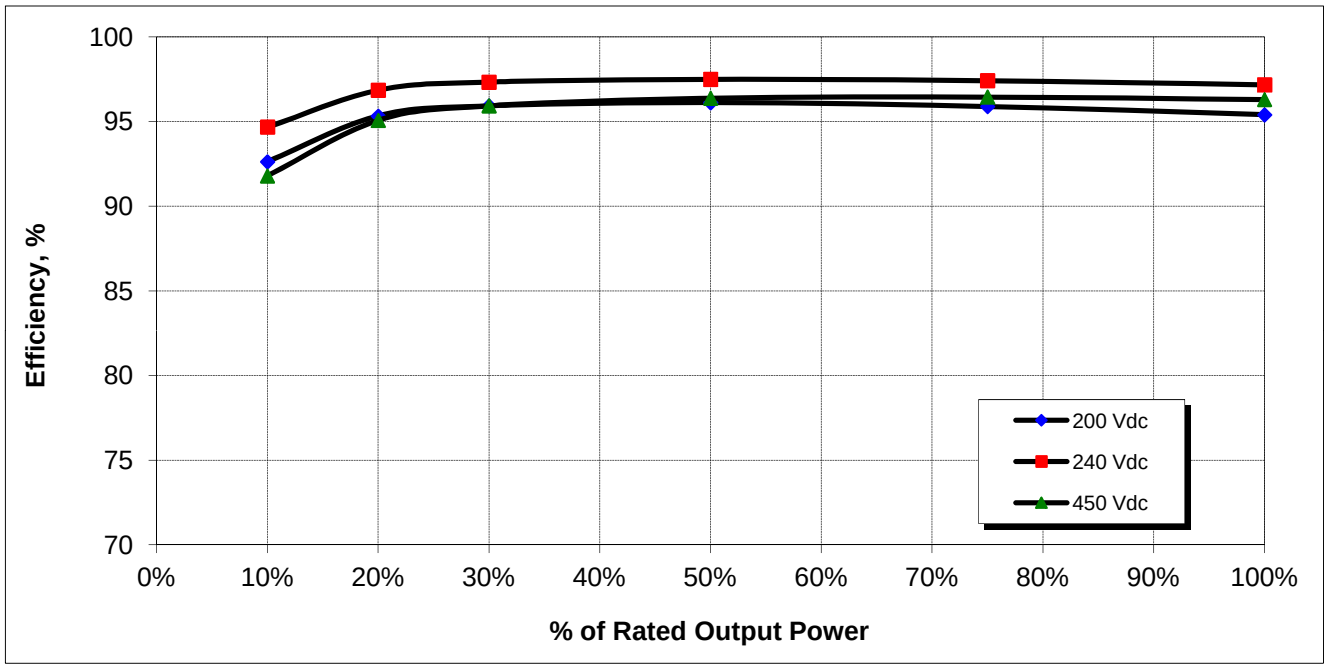
Model #: 6 TL U 240Vac

Rated Maximum Continuous Output Power: 6.00 kW Night Tare Loss: 0.50 W

Vmin: 200 Vdc Vnom: 240 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.50	6.00	Wtd
Vmin	200	92.6	95.3	95.9	96.1	95.9	95.4	95.8
Vnom	240	94.7	96.9	97.3	97.5	97.4	97.2	97.3
Vmax	450	91.8	95.1	95.9	96.4	96.5	96.3	96.1

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	535.68	202	92.658	533.9	202.13	92.650	532.9	201.71	92.597	535.5	201.67	92.597	535.6	201.74	92.626
20%	Vmin	1240	201.89	95.340	1234	201.95	95.326	1232	201.97	95.340	1236	202.19	95.287	1230	202.67	95.354
30%	Vmin	1888.5	199.74	95.933	1886	199.92	95.919	1892	199.81	95.906	1884	199.86	95.909	1879	199.93	95.945
50%	Vmin	2749	200.89	96.125	2752	200.6	96.107	2752	200.77	96.111	2752	200.75	96.110	2749	201	96.130
75%	Vmin	4240.2	201.07	95.881	4242	201.38	95.878	4241	201.17	95.885	4244	200.85	95.891	4244	200.81	95.923
100%	Vmin	5773.9	198.85	95.397	5775	198.79	95.391	5772	198.53	95.396	5772	198.59	95.397	5770	198.84	95.402
10%	Vnom	571.94	341.46	94.660	571.9	341.47	94.658	571.1	341.76	94.641	572.3	341.05	94.704	572.4	340.95	94.691
20%	Vnom	1274.1	340.08	96.843	1274	340.09	96.839	1279	340.09	96.869	1260	340.06	96.847	1266	340	96.853
30%	Vnom	1911.5	340.15	97.311	1912	340.2	97.317	1912	340.2	97.319	1913	339.36	97.352	1911	339.71	97.335
50%	Vnom	2783.8	341.96	97.485	2780	341.52	97.493	2780	341.58	97.495	2781	341.52	97.495	2783	341.87	97.482
75%	Vnom	4258.8	341.67	97.422	4255	341.33	97.431	4258	341.69	97.417	4265	342.1	97.408	4261	341.77	97.416
100%	Vnom	5766.5	340.83	97.146	5765	340.73	97.148	5758	340.4	97.181	5754	340.09	97.191	5759	339.92	97.159
10%	Vmax	594.48	450.2	91.847	594.4	450.32	91.784	594.7	450.5	91.814	594.8	450.95	91.756	595.1	451.13	91.770
20%	Vmax	1259.3	449.1	95.008	1260	450.04	95.103	1260	450.19	95.092	1260	450.64	95.082	1259	449.63	95.081
30%	Vmax	1911.5	450.65	95.957	1913	451.69	95.934	1911	452.52	95.916	1911	452.41	95.919	1912	452.34	95.936
50%	Vmax	2782.1	449.44	96.377	2781	450.06	96.383	2780	450.07	96.391	2782	449.97	96.396	2779	449.32	96.390
75%	Vmax	4269	451.45	96.464	4269	451.42	96.459	4270	452.31	96.453	4269	451.98	96.456	4270	452.38	96.433
100%	Vmax	5803.1	448.88	96.294	5802	448.96	96.293	5802	448.79	96.323	5802	448.7	96.332	5802	449.19	96.293

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															