Manufacturer: Fronius International GmbH

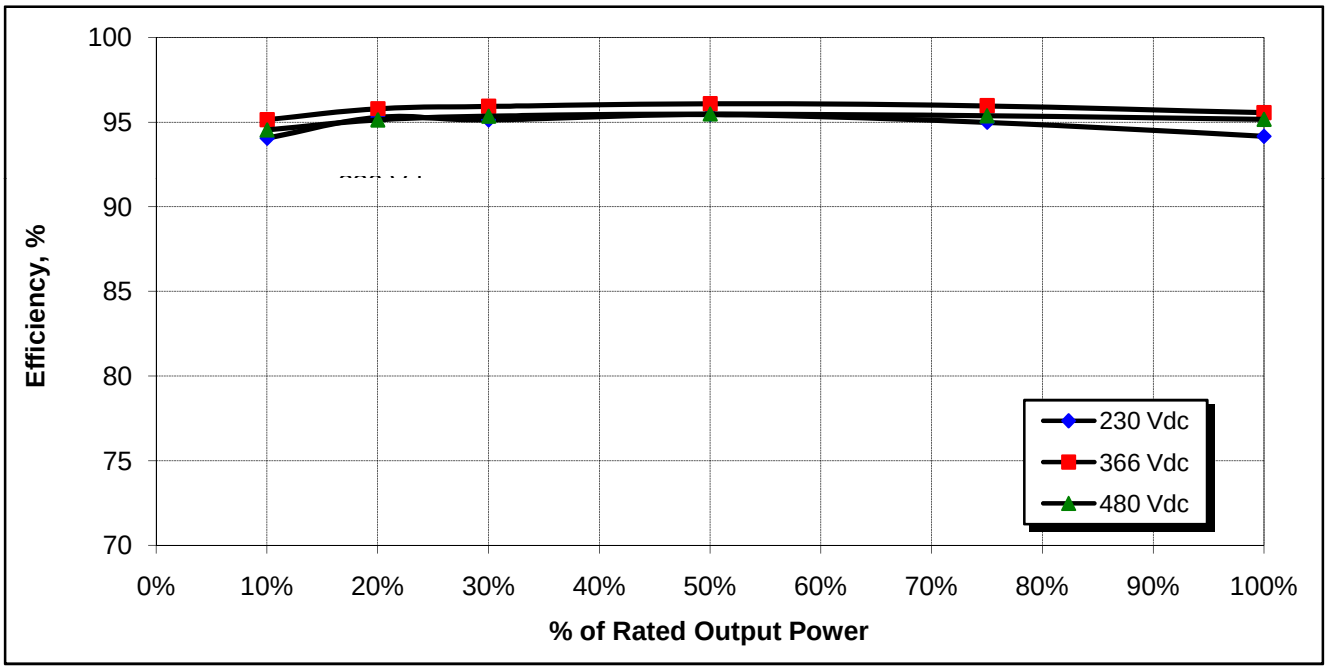
Model #: Fronius IG Plus 6.0-1 UNI (208V)

Rated Maximum Continuous Output Power: 6.00 kW Night Tare Loss: 0.71 W

Vmin: 230 Vdc Vnom: 366 Vdc Vmax: 480 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	230	94.1	95.3	95.1	95.4	95.0	94.2	95.0
Vnom	366	95.1	95.8	95.9	96.1	96.0	95.6	95.9
Vmax	480	94.5	95.1	95.4	95.5	95.4	95.2	95.3

CEC Efficiency = 95.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	570.65	228.45	93.990	571.2	228.46	94.137	571.1	228.45	94.102	571.5	228.46	94.096	571.3	228.46	94.074
20%	Vmin	1297	228.31	95.284	1296	228.32	95.293	1296	228.31	95.280	1296	228.32	95.283	1296	228.31	95.297
30%	Vmin	1925	228.12	95.158	1925	228.12	95.100	1925	228.12	95.175	1924	228.13	95.149	1925	228.13	95.109
50%	Vmin	3265.2	228.28	95.425	3265	228.28	95.453	3265	228.29	95.438	3266	228.29	95.443	3266	228.28	95.451
75%	Vmin	4220.3	228.9	94.986	4220	228.9	94.994	4220	228.9	95.006	4220	228.9	94.995	4220	228.9	94.985
100%	Vmin	5735.2	228.12	94.181	5734	228.11	94.161	5735	228.11	94.173	5736	228.12	94.175	5734	228.1	94.167
10%	Vnom	571.75	363.44	94.972	573.2	363.44	95.151	573.3	363.44	95.260	573.5	363.45	95.239	573.5	363.45	95.218
20%	Vnom	1273.5	363.33	95.791	1273	363.33	95.840	1273	363.33	95.720	1273	363.33	95.844	1273	363.33	95.794
30%	Vnom	1902.3	363.26	95.935	1903	363.27	95.882	1902	363.27	95.954	1902	363.26	95.911	1902	363.27	95.939
50%	Vnom	3274.3	363.38	96.070	3275	363.39	96.091	3276	363.37	96.093	3276	363.38	96.089	3276	363.39	96.069
75%	Vnom	4249.7	363.31	95.999	4250	363.31	95.967	4251	363.31	95.954	4251	363.31	95.964	4250	363.31	95.947
100%	Vnom	5729.3	363.3	95.576	5729	363.28	95.571	5729	363.3	95.548	5727	363.29	95.554	5727	363.28	95.540
10%	Vmax	562.15	471.65	94.540	562.6	471.65	94.623	562.7	471.65	94.618	562.1	471.67	94.543	561.1	471.67	94.694
20%	Vmax	1284.5	471.63	95.066	1284	471.63	95.154	1284	471.63	95.171	1284	471.64	95.139	1284	471.63	95.246
30%	Vmax	1920.5	471.59	95.328	1919	471.6	95.405	1920	471.6	95.392	1920	471.59	95.297	1920	471.6	95.335
50%	Vmax	3278.6	471.73	95.520	3279	471.73	95.476	3280	471.72	95.489	3278	471.72	95.471	3278	471.73	95.466
75%	Vmax	4242.3	473.21	95.374	4242	473.22	95.376	4241	473.21	95.377	4240	473.22	95.388	4240	473.23	95.336
100%	Vmax	5744.6	471.62	95.161	5744	471.62	95.173	5744	471.62	95.159	5744	471.61	95.163	5744	471.61	95.174

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	571.04	228.46	94.076	570.6	228.46	93.911									
20%	Vmin	1296	228.32	95.317	1296	228.31	95.303									
30%	Vmin	1924.2	228.13	95.135	1925	228.13	95.134									
50%	Vmin	3266.2	228.28	95.450	3266	228.28	95.467									
75%	Vmin	4220.3	228.9	94.983	4220	228.9	94.981									
100%	Vmin	5736.2	228.12	94.171	5736	228.11	94.201									
10%	Vnom	573.36	363.45	95.138	573.4	363.45	95.040									
20%	Vnom	1273.1	363.33	95.738	1273	363.33	95.838									
30%	Vnom	1902.5	363.27	95.958	1902	363.26	95.915									
50%	Vnom	3275.5	363.37	96.089	3274	363.38	96.105									
75%	Vnom	4250.9	363.31	95.972	4250	363.31	95.965									
100%	Vnom	5727.5	363.3	95.548	5727	363.29	95.547									
10%	Vmax	560.38	471.69	94.368	560.2	471.68	94.382									
20%	Vmax	1284.4	471.63	95.075	1284	471.63	95.072									
30%	Vmax	1919.2	471.6	95.375	1920	471.59	95.354									
50%	Vmax	3277.7	471.72	95.516	3277	471.73	95.459									
75%	Vmax	4239.9	473.22	95.356	4239	473.23	95.422									
100%	Vmax	5744.3	471.61	95.160	5744	471.62	95.166									