Manufacturer: Fronius International GmbH

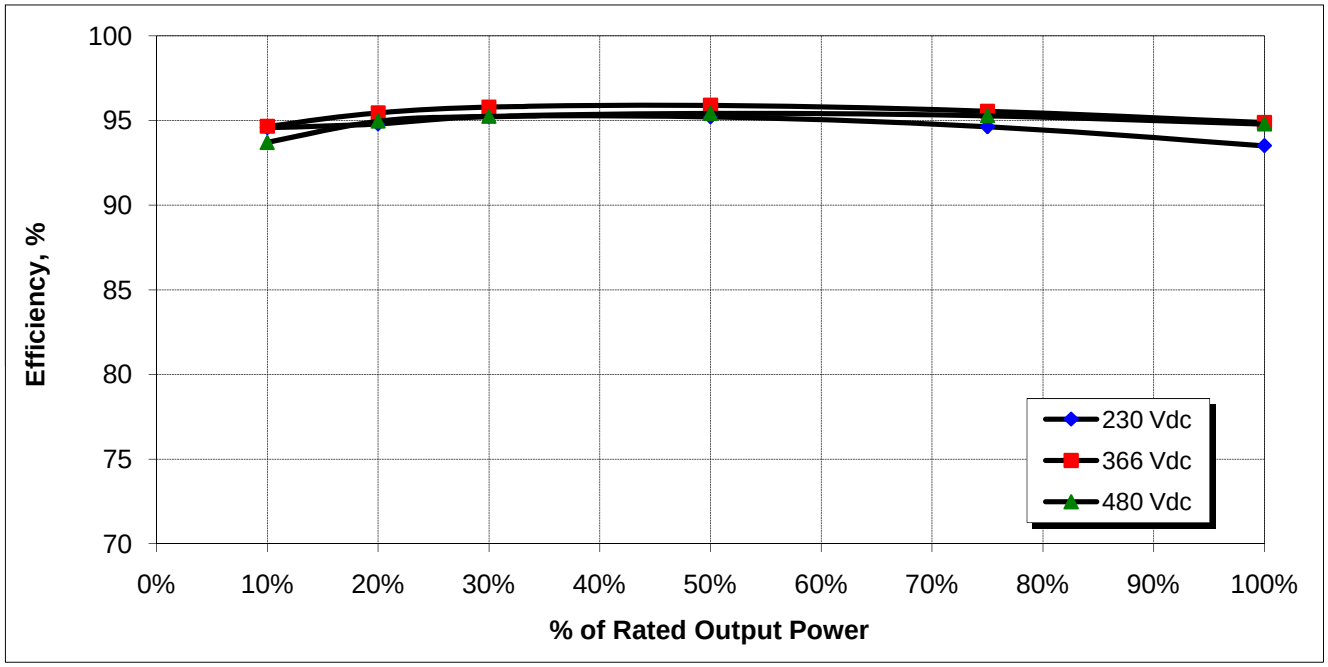
Model #: Fronius IG Plus V 11.4-3 Delta 208Vac

Rated Maximum Continuous Output Power @25°C: 11.400 kW Night Tare Loss: 0.90 W
Rated Maximum Continuous Output Power @40°C: 11.400 kW Night Tare Loss: 0.90 W

Vmin: 230 Vdc Vnom: 366 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.14	2.28	3.42	5.70	8.55	11.40	Wtd
Vmin	230	94.6	94.8	95.2	95.2	94.6	93.5	94.77
Vnom	366	94.7	95.5	95.8	95.9	95.5	94.9	95.57
Vmax	480	93.7	95.0	95.2	95.4	95.3	94.8	95.21

CEC Efficiency = 95.0%



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	1109.66	229.23	94.57	1109.79	229.24	94.56	1110.04	229.24	94.57	1109.60	229.23	94.59	1109.68	229.23	94.55
20%	Vmin	2085.63	229.12	94.79	2085.62	229.12	94.79	2084.89	229.11	94.79	2085.14	229.12	94.81	2085.49	229.12	94.79
30%	Vmin	3673.71	229.16	95.21	3673.80	229.16	95.21	3674.17	229.15	95.21	3674.24	229.16	95.21	3674.03	229.15	95.22
50%	Vmin	6002.66	229.23	95.21	6003.42	229.26	95.21	6003.88	229.28	95.20	6003.22	229.27	95.21	6002.88	229.25	95.21
75%	Vmin	8013.82	229.10	94.63	8013.50	229.09	94.63	8012.94	229.08	94.63	8013.96	229.11	94.63	8013.74	229.10	94.63
100%	Vmin	######	228.99	93.51	10833.33	228.99	93.51	10834.13	229.00	93.51	10833.40	228.99	93.51	10832.57	228.98	93.50
10%	Vnom	1104.30	364.76	94.65	1103.73	364.75	94.65	1104.41	364.75	94.65	1104.42	364.75	94.62	1103.40	364.76	94.66
20%	Vnom	2065.53	364.63	95.44	2065.31	364.63	95.44	2065.30	364.63	95.44	2065.05	364.63	95.46	2065.33	364.64	95.43
30%	Vnom	3673.63	364.67	95.78	3673.81	364.68	95.78	3673.62	364.68	95.79	3673.78	364.68	95.78	3673.12	364.67	95.79
50%	Vnom	5994.13	364.64	95.89	5994.29	364.63	95.89	5994.15	364.63	95.89	5994.42	364.63	95.89	5995.33	364.64	95.90
75%	Vnom	8021.98	364.58	95.55	8022.33	364.59	95.55	8021.35	364.59	95.55	8021.27	364.58	95.55	8020.92	364.58	95.55
100%	Vnom	######	364.58	94.87	10884.90	364.57	94.88	10885.43	364.58	94.88	10884.47	364.56	94.88	10884.00	364.54	94.87
10%	Vmax	1117.19	478.53	93.75	1117.29	478.52	93.68	1116.29	478.53	93.66	1117.21	478.52	93.70	1116.78	478.53	93.75
20%	Vmax	2095.88	478.51	94.95	2096.13	478.51	94.95	2097.47	478.51	94.97	2098.34	478.51	94.94	2097.08	478.51	94.96
30%	Vmax	3680.50	478.44	95.25	3680.77	478.45	95.24	3681.53	478.45	95.25	3680.04	478.44	95.25	3679.75	478.44	95.24
50%	Vmax	6007.16	478.59	95.43	6006.54	478.57	95.43	6007.01	478.60	95.43	6007.15	478.60	95.43	6006.91	478.59	95.44
75%	Vmax	8045.55	478.43	95.28	8044.79	478.42	95.29	8046.25	478.43	95.28	8046.40	478.44	95.29	8046.87	478.44	95.29
100%	Vmax	######	478.40	94.79	10857.77	478.40	94.80	10858.27	478.40	94.79	10857.60	478.40	94.79	10857.73	478.40	94.80

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	1109.73	229.24	94.61	1109.58	229.23	94.53									
20%	Vmin	2085.62	229.11	94.79	2085.70	229.12	94.79									
30%	Vmin	3673.93	229.16	95.21	3673.71	229.16	95.21									
50%	Vmin	6002.21	229.24	95.20	6002.21	229.24	95.21									
75%	Vmin	8014.37	229.10	94.64	8014.52	229.10	94.64									
100%	Vmin	######	228.99	93.51	10832.93	228.99	93.50									
10%	Vnom	1104.04	364.75	94.69	1104.38	364.75	94.68									
20%	Vnom	2065.49	364.64	95.46	2065.71	364.63	95.47									
30%	Vnom	3673.02	364.67	95.78	3673.10	364.68	95.77									
50%	Vnom	5994.04	364.63	95.89	5994.20	364.62	95.89									
75%	Vnom	8020.51	364.59	95.54	8021.33	364.58	95.55									
100%	Vnom	######	364.53	94.88	10883.93	364.53	94.88									
10%	Vmax	1117.60	478.52	93.73	1118.15	478.52	93.69									
20%	Vmax	2097.20	478.51	94.98	2097.59	478.51	94.99									
30%	Vmax	3679.77	478.45	95.25	3679.78	478.45	95.26									
50%	Vmax	6007.51	478.58	95.42	6007.96	478.59	95.42									
75%	Vmax	8048.05	478.43	95.29	8048.39	478.44	95.29									
100%	Vmax	######	478.39	94.80	10858.73	478.39	94.79									