Manufacturer: Fronius International GmbH

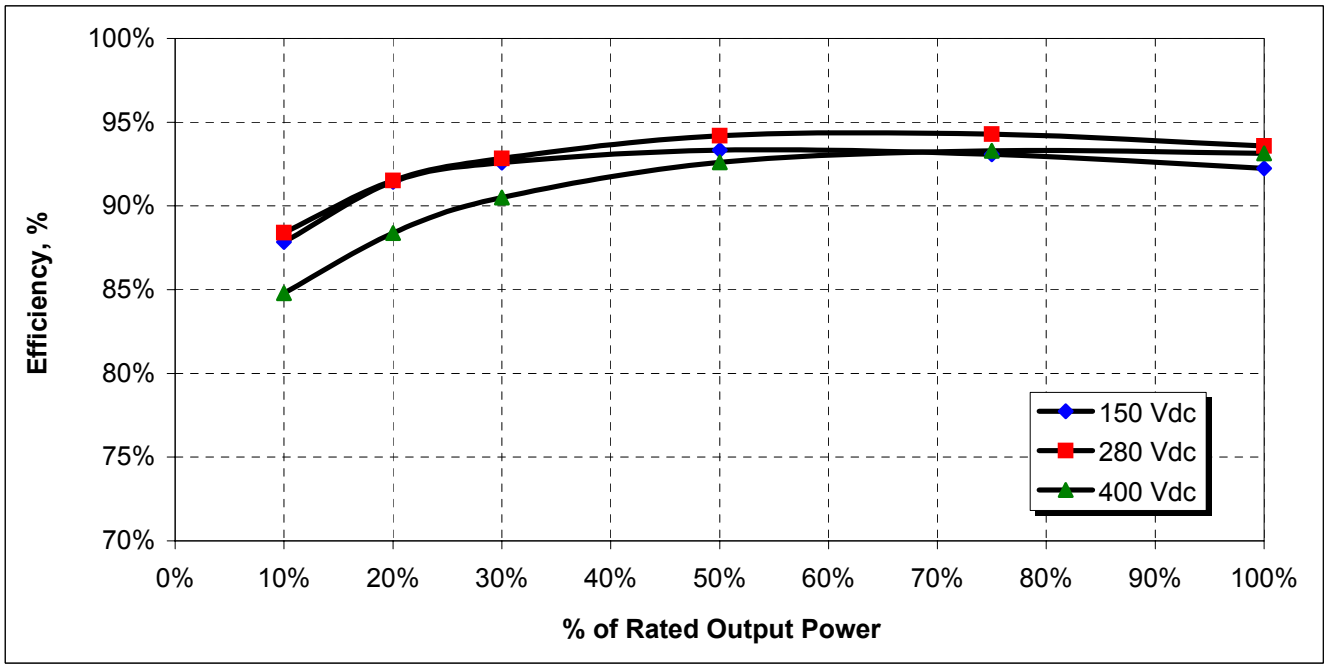
Model #: IG 2500 LV

Rated Maximum Continuous Output Power: 2.35 kW Night Tare Loss: 0.73 W

Vmin: 150 Vdc Vnom: 280 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.24	0.47	0.71	1.18	1.76	2.35	Wtd
Vmin	150	87.8%	91.4%	92.6%	93.3%	93.1%	92.2%	92.7%
Vnom	280	88.4%	91.5%	92.8%	94.2%	94.3%	93.6%	93.7%
Vmax	400	84.8%	88.4%	90.5%	92.6%	93.3%	93.1%	92.2%

CEC Efficiency = 93.0%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	202.16	150.07	0.880	202.17	150.07	0.880	202.17	150.07	0.878	202.16	150.07	0.879	202.19	150.07	0.880
20%	Vmin	400.961	150.03	0.915	400.97	150.03	0.915	400.97	150.03	0.915	400.95	150.03	0.916	399.61	150.03	0.911
30%	Vmin	604.111	150.01	0.925	605.59	150.01	0.927	605.6	150.01	0.927	605.61	150.01	0.926	605.6	150.01	0.926
50%	Vmin	1005.55	150	0.933	1005.6	150	0.934	1005.5	150	0.933	1005.5	150	0.934	1005.5	150	0.933
75%	Vmin	1507.87	149.98	0.931	1507.9	149.98	0.930	1507.9	149.98	0.931	1507.9	149.98	0.931	1507.9	149.98	0.930
100%	Vmin	1997.9	150	0.920	1996.4	150	0.920	1997.9	150	0.920	1997.9	150	0.924	1997.9	150	0.925
10%	Vnom	199.411	277.6	0.886	199.41	277.76	0.884	199.41	277.79	0.875	199.42	278.12	0.888	199.42	278.68	0.896
20%	Vnom	400.95	277.85	0.916	400.95	277.62	0.917	400.95	277.86	0.915	400.96	277.8	0.917	400.96	277.79	0.915
30%	Vnom	602.645	277.88	0.928	602.64	277.75	0.927	604.13	277.84	0.928	604.1	277.84	0.930	604.12	277.89	0.929
50%	Vnom	1001.08	277.66	0.944	999.57	277.77	0.941	999.56	277.69	0.942	999.55	277.83	0.941	999.57	277.9	0.943
75%	Vnom	1507.87	277.52	0.942	1507.9	277.61	0.943	1509.3	277.71	0.945	1507.8	277.71	0.942	1507.9	277.69	0.942
100%	Vnom	2014.31	277.95	0.936	2012.6	277.78	0.937	2016	278.19	0.935	2014.3	278.12	0.936	2012.6	277.96	0.935
10%	Vmax	203.677	395.89	0.863	203.67	395.89	0.828	203.68	395.89	0.861	202.17	395.89	0.858	203.66	395.89	0.841
20%	Vmax	400.97	395.83	0.880	400.96	395.83	0.880	400.97	395.83	0.886	400.96	395.83	0.887	400.96	395.83	0.886
30%	Vmax	602.667	395.7	0.905	602.65	395.7	0.906	602.64	395.7	0.905	602.65	395.7	0.905	602.66	395.7	0.905
50%	Vmax	1002.65	395.56	0.926	1002.6	395.56	0.926	1002.6	395.56	0.926	1002.6	395.56	0.926	1002.6	395.56	0.926
75%	Vmax	1507.93	395.57	0.932	1509.3	395.57	0.934	1507.9	395.57	0.932	1507.9	395.57	0.933	1507.9	395.57	0.933
100%	Vmax	2002.33	395.5	0.931	2000.8	395.5	0.929	2000.8	395.5	0.929	2000.8	395.5	0.928	2000.8	395.5	0.929

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	202.165	150.07	0.875	202.16	150.07	0.878									
20%	Vmin	400.971	150.03	0.915	400.97	150.03	0.914									
30%	Vmin	605.603	150.01	0.926	604.12	150.01	0.924									
50%	Vmin	1005.56	150	0.934	1005.5	150	0.933									
75%	Vmin	1507.88	149.98	0.931	1507.9	149.98	0.931									
100%	Vmin	1996.41	150	0.920	1992.1	150	0.928									
10%	Vnom	199.409	278.03	0.878	2012.6	277.72	0.882									
20%	Vnom	400.956	277.89	0.911	400.96	277.93	0.917									
30%	Vnom	602.654	277.94	0.925	604.12	277.77	0.931									
50%	Vnom	999.56	277.7	0.940	999.56	277.81	0.943									
75%	Vnom	1507.86	277.59	0.941	1509.2	277.72	0.945									
100%	Vnom	2014.32	278.42	0.935	2012.6	278	0.936									
10%	Vmax	203.662	395.89	0.830	2000.8	395.89	0.855									
20%	Vmax	400.968	395.83	0.886	400.96	395.83	0.882									
30%	Vmax	602.651	395.7	0.905	602.66	395.7	0.905									
50%	Vmax	1002.63	395.56	0.926	1002.6	395.56	0.926									
75%	Vmax	1509.29	395.57	0.933	1507.9	395.57	0.934									
100%	Vmax	2000.75	395.5	0.929	2000.8	395.5	0.945									