Manufacturer: Siemens Industry

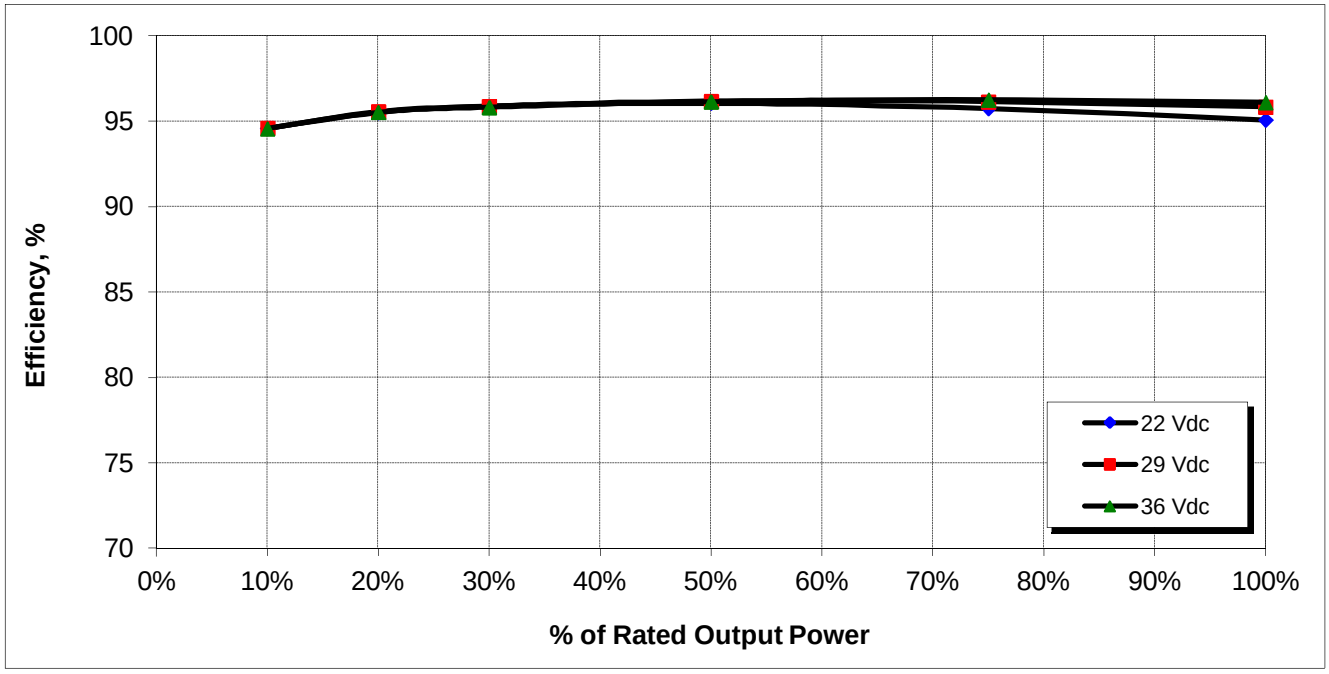
Model #: SMIINV215R60XX (240V)

Rated Maximum Continuous Output Power: 0.215 kW Night Tare Loss: 0.05 W

Vmin: 22 Vdc Vnom: 29 Vdc Vmax: 36 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.02	0.04	0.06	0.11	0.16	0.22	Wtd
Vmin	22	94.6	95.5	95.9	96.1	95.7	95.1	95.7
Vnom	29	94.6	95.5	95.9	96.2	96.1	95.8	96.0
Vmax	36	94.6	95.5	95.8	96.1	96.2	96.1	96.1

CEC Efficiency = 96.0%



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	21.3	22.04	94.590	21.29	22.04	94.590	21.29	22.04	94.570	21.29	22.04	94.560	21.29	22.04	94.580
20%	Vmin	42.65	22.09	95.500	42.65	22.08	95.500	42.66	22.08	95.520	42.63	22.09	95.450	42.66	22.09	95.520
30%	Vmin	64.62	22.19	95.880	64.63	22.19	95.880	64.62	22.19	95.880	64.6	22.18	95.850	64.61	22.19	95.860
50%	Vmin	107.91	22.28	96.050	107.9	22.28	96.040	107.9	22.27	96.070	107.9	22.27	96.040	107.9	22.28	96.060
75%	Vmin	161.99	22.35	95.740	162	22.35	95.750	162	22.35	95.730	162	22.35	95.740	162	22.35	95.740
100%	Vmin	214.87	22.39	95.060	214.9	22.39	95.070	214.9	22.39	95.050	214.9	22.39	95.070	214.9	22.39	95.080
10%	Vnom	21.28	28.69	94.530	21.3	28.7	94.580	21.3	28.69	94.580	21.3	28.69	94.580	21.29	28.71	94.570
20%	Vnom	42.75	28.74	95.500	42.77	28.74	95.570	42.78	28.75	95.570	42.75	28.74	95.510	42.76	28.76	95.520
30%	Vnom	64.58	28.8	95.860	64.59	28.8	95.880	64.58	28.8	95.870	64.59	28.82	95.890	64.57	28.82	95.850
50%	Vnom	108.04	28.94	96.150	108.1	28.93	96.170	108	28.94	96.140	108.1	28.94	96.170	108	28.94	96.140
75%	Vnom	162.04	29.09	96.120	162.1	29.09	96.140	162.1	29.08	96.130	162.1	29.08	96.120	162.1	29.08	96.130
100%	Vnom	215.1	29.11	95.810	215.1	29.11	95.810	215.2	29.11	95.840	215.1	29.11	95.810	215.1	29.11	95.810
10%	Vmax	21.92	35.57	94.540	21.92	35.57	94.550	21.92	35.51	94.550	21.92	35.56	94.560	21.92	35.52	94.550
20%	Vmax	42.56	35.3	95.510	42.56	35.3	95.510	42.56	35.3	95.510	42.57	35.3	95.520	42.56	35.3	95.510
30%	Vmax	64.5	35.32	95.810	64.48	35.32	95.790	64.49	35.33	95.790	64.48	35.32	95.790	64.51	35.33	95.820
50%	Vmax	108	35.48	96.140	108	35.48	96.150	108	35.48	96.130	108	35.48	96.130	108	35.48	96.150
75%	Vmax	162.17	35.58	96.220	162.2	35.58	96.220	162.2	35.58	96.250	162.2	35.58	96.250	162.2	35.58	96.250
100%	Vmax	215.82	35.62	96.090	215.8	35.63	96.060	215.8	35.62	96.080	215.8	35.62	96.090	215.8	35.63	96.070

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	21.29	22.04	94.570	21.29	22.04	94.570									
20%	Vmin	42.66	22.09	95.520	42.66	22.08	95.510									
30%	Vmin	64.62	22.18	95.880	64.62	22.19	95.880									
50%	Vmin	107.92	22.28	96.060	107.9	22.28	96.060									
75%	Vmin	161.99	22.34	95.740	162	22.35	95.750									
100%	Vmin	214.91	22.39	95.080	214.9	22.39	95.050									
10%	Vnom	21.31	28.69	94.670	21.3	28.7	94.590									
20%	Vnom	42.78	28.75	95.570	42.78	28.75	95.570									
30%	Vnom	64.59	28.82	95.880	64.57	28.8	95.850									
50%	Vnom	108.07	28.94	96.180	108.1	28.93	96.160									
75%	Vnom	162.05	29.09	96.120	162.1	29.08	96.150									
100%	Vnom	215.15	29.11	95.830	215.1	29.11	95.810									
10%	Vmax	21.93	35.54	94.570	21.93	35.56	94.570									
20%	Vmax	42.56	35.3	95.510	42.57	35.29	95.510									
30%	Vmax	64.51	35.34	95.820	64.49	35.34	95.800									
50%	Vmax	107.99	35.48	96.130	108	35.48	96.140									
75%	Vmax	162.19	35.58	96.230	162.2	35.58	96.260									
100%	Vmax	215.82	35.63	96.090	215.8	35.62	96.100									