Manufacturer: Siemens Industry

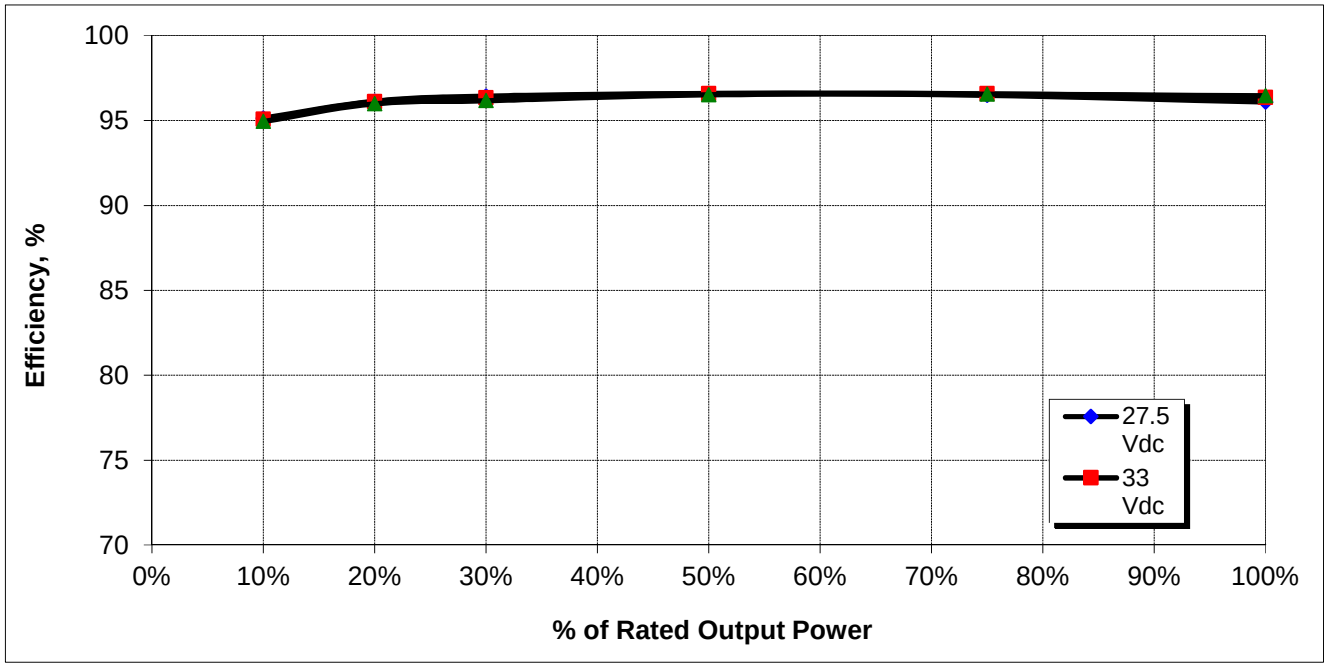
Model #: SMIINT215R60XX (208 V operating voltage)

Rated Maximum Continuous Output Power @25°C: 0.215 kW Night Tare Loss: -0.05 W
Rated Maximum Continuous Output Power @40°C: 0.215 kW Night Tare Loss: -0.05 W

Vmin: 27.5 Vdc Vnom: 33 Vdc Vmax: 38.7 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	27.5	95.1	96.1	96.4	96.6	96.5	96.1	96.4
Vnom	33	95.1	96.1	96.3	96.6	96.6	96.4	96.5
Vmax	38.7	94.9	96.0	96.2	96.5	96.6	96.4	96.4

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 (% of rated)	Input Voltage (Vdc)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin	21.066	27.261	95.133	21.064	27.263	95.130	21.062	27.265	95.118	21.065	27.264	95.138	21.066	27.268	95.134
20%	Vmin	47.023	27.087	96.150	46.994	27.096	96.091	47.012	27.099	96.131	46.994	27.095	96.092	47.027	27.098	96.158
30%	Vmin	68.977	27.367	96.422	68.971	27.365	96.409	68.977	27.369	96.420	68.999	27.367	96.452	68.985	27.371	96.432
50%	Vmin	116.640	27.403	96.590	116.653	27.404	96.600	116.652	27.403	96.600	116.639	27.400	96.591	116.631	27.402	96.580
75%	Vmin	151.171	27.438	96.488	151.144	27.437	96.476	151.159	27.437	96.487	151.161	27.438	96.489	151.142	27.436	96.476
100%	Vmin	206.170	27.482	96.105	206.106	27.485	96.078	206.097	27.484	96.077	206.156	27.487	96.104	206.129	27.486	96.092
10%	Vnom	21.020	33.042	95.063	21.017	33.031	95.047	21.015	33.053	95.038	21.022	33.055	95.073	21.024	33.044	95.078
20%	Vnom	47.042	32.921	96.123	47.033	32.924	96.104	47.043	32.924	96.124	47.044	32.920	96.126	47.049	32.929	96.135
30%	Vnom	68.887	32.947	96.333	68.890	32.949	96.338	68.895	32.950	96.339	68.899	32.947	96.346	68.891	32.949	96.339
50%	Vnom	116.648	33.015	96.596	116.634	33.011	96.585	116.626	33.020	96.580	116.635	33.016	96.583	116.643	33.019	96.592
75%	Vnom	151.203	33.042	96.583	151.177	33.046	96.568	151.217	33.042	96.593	151.177	33.045	96.567	151.182	33.045	96.569
100%	Vnom	206.864	33.099	96.359	206.826	33.102	96.345	206.826	33.101	96.345	206.885	33.099	96.373	206.874	33.099	96.367
10%	Vmax	21.060	38.585	94.804	21.091	38.603	94.956	21.094	38.604	94.966	21.090	38.609	94.951	21.095	38.613	94.982
20%	Vmax	46.962	38.592	96.008	46.929	38.593	95.942	46.964	38.589	96.012	46.961	38.587	96.003	46.953	38.589	95.988
30%	Vmax	68.723	38.555	96.150	68.726	38.553	96.154	68.739	38.563	96.174	68.734	38.557	96.170	68.740	38.558	96.177
50%	Vmax	116.511	38.646	96.500	116.534	38.656	96.521	116.533	38.654	96.519	116.527	38.658	96.514	116.517	38.659	96.507
75%	Vmax	151.133	38.747	96.566	151.130	38.746	96.563	151.099	38.748	96.543	151.104	38.746	96.549	151.131	38.748	96.565
100%	Vmax	207.097	38.699	96.456	207.079	38.701	96.451	207.069	38.700	96.449	207.107	38.700	96.463	207.106	38.701	96.465

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power (% of rated)	Input Voltage (Vdc)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin	21.070	27.258	95.156	21.069	27.263	95.150	21.069	27.257	95.150	21.070	27.261	95.156	21.074	27.259	95.171
20%	Vmin	47.029	27.096	96.167	47.032	27.100	96.170	47.027	27.096	96.161	47.005	27.096	96.117	47.015	27.099	96.139
30%	Vmin	68.981	27.370	96.426	68.973	27.372	96.414	68.990	27.367	96.439	68.997	27.368	96.447	68.998	27.369	96.449
50%	Vmin	116.626	27.405	96.578	116.658	27.402	96.608	116.629	27.406	96.583	116.626	27.404	96.582	116.626	27.404	96.582
75%	Vmin	151.190	27.435	96.506	151.170	27.437	96.492	151.174	27.438	96.498	151.138	27.437	96.475	151.140	27.439	96.477
100%	Vmin	206.127	27.486	96.092	206.144	27.484	96.100	206.111	27.483	96.085	206.084	27.484	96.071	206.126	27.482	96.091
10%	Vnom	21.027	33.034	95.094	21.022	33.031	95.070	21.022	33.045	95.077	21.026	33.035	95.090	21.024	33.035	95.082
20%	Vnom	47.048	32.921	96.136	47.049	32.925	96.139	47.020	32.930	96.079	47.045	32.920	96.126	47.027	32.930	96.089
30%	Vnom	68.906	32.948	96.358	68.900	32.949	96.348	68.902	32.949	96.356	68.894	32.947	96.342	68.886	32.952	96.334
50%	Vnom	116.664	33.017	96.609	116.653	33.017	96.601	116.647	33.022	96.596	116.633	33.016	96.583	116.671	33.021	96.617
75%	Vnom	151.182	33.045	96.572	151.179	33.046	96.570	151.177	33.044	96.567	151.225	33.044	96.600	151.195	33.047	96.582
100%	Vnom	206.825	33.102	96.346	206.844	33.103	96.354	206.876	33.100	96.369	206.855	33.098	96.359	206.807	33.100	96.337
10%	Vmax	21.098	38.607	94.983	21.096	38.597	94.977	21.065	38.603	94.842	21.092	38.607	94.968	21.093	38.601	94.964
20%	Vmax	46.966	38.587	96.016	46.938	38.591	95.960	46.963	38.594	96.014	46.946	38.592	95.972	46.937	38.592	95.957
30%	Vmax	68.727	38.560	96.160	68.725	38.558	96.159	68.716	38.562	96.148	68.739	38.560	96.181	68.733	38.560	96.169
50%	Vmax	116.535	38.660	96.523	116.535	38.656	96.520	116.499	38.653	96.492	116.536	38.649	96.522	116.534	38.656	96.521
75%	Vmax	151.093	38.751	96.542	151.087	38.753	96.535	151.134	38.752	96.567	151.133	38.754	96.567	151.091	38.753	96.538
100%	Vmax	207.054	38.700	96.442	207.035	38.701	96.432	207.036	38.699	96.431	207.088	38.703	96.458	207.056	38.693	96.441