Manufacturer: Enphase Energy

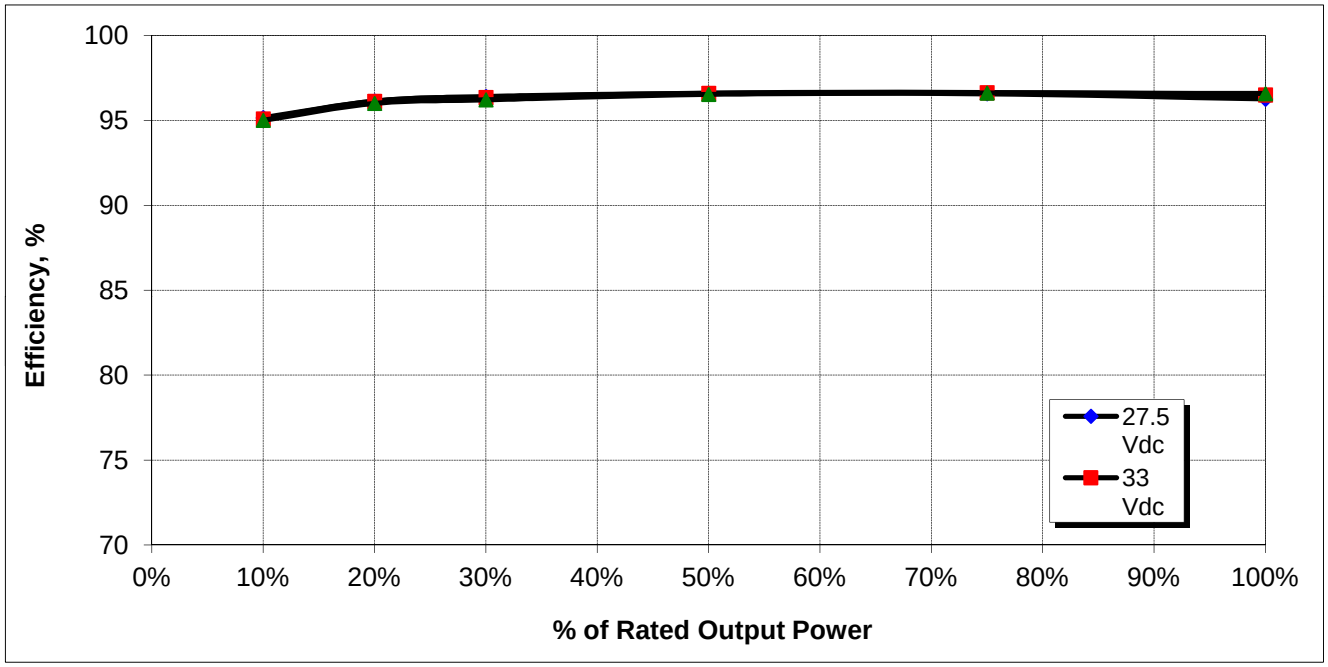
Model #: M215-60-IG-2LL (240 V operating voltage)

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	95.2	96.1	96.4	96.6	96.6	96.3	96.5
Vnom	33	95.1	96.1	96.3	96.6	96.6	96.5	96.5
Vmax	38.7	95.0	96.0	96.2	96.5	96.6	96.6	96.5

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	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	21.127	27.335	95.134	21.131	27.338	95.155	21.129	27.345	95.143	21.131	27.352	95.152	21.117	27.341	95.091
20%	Vmin	46.988	27.081	96.077	47.020	27.090	96.148	47.020	27.093	96.149	47.021	27.089	96.148	47.023	27.091	96.155
30%	Vmin	68.974	27.351	96.412	68.965	27.350	96.401	68.951	27.354	96.376	68.954	27.354	96.387	68.973	27.352	96.412
50%	Vmin	116.661	27.400	96.605	116.666	27.401	96.610	116.636	27.394	96.586	116.663	27.403	96.611	116.646	27.400	96.594
75%	Vmin	151.306	27.436	96.577	151.277	27.443	96.562	151.294	27.443	96.575	151.300	27.443	96.578	151.253	27.443	96.549
100%	Vmin	206.498	27.483	96.261	206.502	27.482	96.264	206.538	27.483	96.281	206.513	27.483	96.271	206.507	27.485	96.270
10%	Vnom	21.026	33.059	95.089	21.025	33.062	95.082	21.032	33.055	95.109	21.029	33.057	95.094	21.033	33.047	95.119
20%	Vnom	47.053	32.915	96.137	47.048	32.916	96.132	47.048	32.921	96.136	47.023	32.918	96.081	47.028	32.918	96.088
30%	Vnom	68.905	32.938	96.353	68.896	32.940	96.339	68.906	32.941	96.352	68.907	32.944	96.356	68.893	32.943	96.336
50%	Vnom	116.644	33.016	96.591	116.668	33.018	96.612	116.629	33.019	96.580	116.638	33.025	96.586	116.670	33.022	96.613
75%	Vnom	151.283	33.044	96.636	151.315	33.047	96.653	151.295	33.045	96.644	151.270	33.046	96.630	151.311	33.043	96.654
100%	Vnom	207.219	33.095	96.524	207.149	33.094	96.496	207.200	33.094	96.521	207.147	33.093	96.498	207.149	33.095	96.496
10%	Vmax	21.104	38.591	95.005	21.105	38.595	95.017	21.069	38.602	94.850	21.105	38.610	95.009	21.107	38.597	95.023
20%	Vmax	46.947	38.591	95.968	46.938	38.589	95.954	46.972	38.589	96.026	46.963	38.592	96.004	46.945	38.592	95.970
30%	Vmax	68.766	38.506	96.196	68.776	38.501	96.213	68.760	38.539	96.196	68.762	38.540	96.194	68.765	38.543	96.200
50%	Vmax	116.541	38.641	96.528	116.574	38.644	96.554	116.533	38.643	96.521	116.535	38.645	96.521	116.546	38.647	96.530
75%	Vmax	151.194	38.745	96.603	151.226	38.747	96.624	151.193	38.748	96.605	151.190	38.752	96.601	151.190	38.750	96.604
100%	Vmax	207.348	38.698	96.574	207.389	38.702	96.598	207.331	38.699	96.569	207.328	38.699	96.572	207.330	38.701	96.570

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	21.134	27.344	95.169	21.133	27.348	95.163	21.133	27.336	95.168	21.136	27.342	95.178	21.139	27.346	95.187
20%	Vmin	47.003	27.084	96.112	46.995	27.087	96.096	47.026	27.090	96.156	47.021	27.085	96.150	47.019	27.092	96.148
30%	Vmin	68.974	27.353	96.413	68.978	27.354	96.421	68.979	27.349	96.419	68.978	27.356	96.419	68.959	27.353	96.390
50%	Vmin	116.635	27.403	96.589	116.650	27.400	96.600	116.647	27.402	96.595	116.641	27.404	96.591	116.620	27.398	96.577
75%	Vmin	151.276	27.439	96.561	151.271	27.439	96.563	151.305	27.439	96.584	151.303	27.439	96.579	151.303	27.442	96.583
100%	Vmin	206.489	27.480	96.263	206.482	27.483	96.260	206.462	27.481	96.249	206.518	27.481	96.276	206.471	27.481	96.254
10%	Vnom	21.030	33.058	95.102	21.034	33.059	95.123	21.033	33.060	95.112	21.032	33.043	95.114	21.004	33.053	94.982
20%	Vnom	47.056	32.915	96.148	47.053	32.920	96.143	47.049	32.922	96.136	47.053	32.924	96.143	47.055	32.915	96.146
30%	Vnom	68.889	32.945	96.330	68.900	32.944	96.351	68.910	32.946	96.366	68.914	32.947	96.366	68.888	32.948	96.332
50%	Vnom	116.665	33.023	96.610	116.644	33.022	96.594	116.631	33.021	96.580	116.666	33.022	96.612	116.647	33.025	96.597
75%	Vnom	151.276	33.049	96.631	151.273	33.046	96.631	151.274	33.044	96.632	151.275	33.048	96.632	151.287	33.044	96.644
100%	Vnom	207.203	33.097	96.522	207.189	33.094	96.516	207.169	33.095	96.507	207.167	33.095	96.506	207.146	33.096	96.497
10%	Vmax	21.092	38.604	94.954	21.111	38.617	95.050	21.111	38.598	95.046	21.106	38.600	95.021	21.112	38.618	95.059
20%	Vmax	46.973	38.592	96.025	46.978	38.588	96.034	46.975	38.593	96.031	46.945	38.588	95.969	46.975	38.593	96.032
30%	Vmax	68.787	38.532	96.227	68.780	38.539	96.220	68.786	38.543	96.230	68.774	38.548	96.218	68.763	38.553	96.201
50%	Vmax	116.552	38.649	96.534	116.537	38.644	96.520	116.534	38.647	96.517	116.550	38.646	96.535	116.565	38.644	96.544
75%	Vmax	151.197	38.749	96.608	151.241	38.751	96.635	151.213	38.752	96.619	151.233	38.750	96.630	151.237	38.755	96.636
100%	Vmax	207.325	38.702	96.569	207.337	38.697	96.575	207.346	38.704	96.577	207.346	38.703	96.578	207.377	38.702	96.595