Manufacturer: LG Electronics

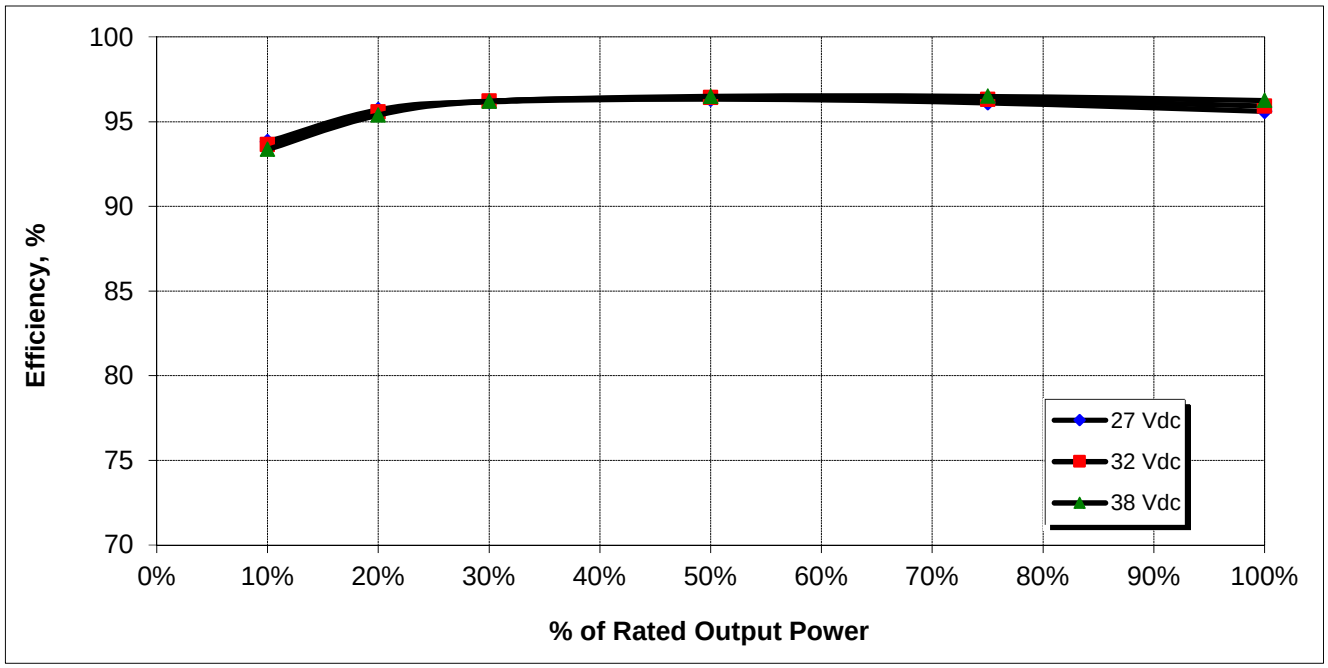
Model #: LM305UE-G1 (208V)

Rated Maximum Continuous Output Power: 300 W Night Tare Loss: -0.07 W

Vmin: 27 Vdc Vnom: 32 Vdc Vmax: 38 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		30.00	60.00	90.00	150.00	225.00	300.00	Wtd
Vmin	27	93.8	95.7	96.2	96.3	96.1	95.6	96.0
Vnom	32	93.7	95.6	96.2	96.4	96.3	95.9	96.2
Vmax	38	93.4	95.4	96.2	96.5	96.5	96.2	96.3

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	29.581	27.013	93.800	29.588	27.015	93.814	29.589	27.016	93.819	29.587	27.015	93.826	29.573	27.015	93.815
20%	Vmin	65.502	27.094	95.690	65.533	27.096	95.691	65.544	27.094	95.689	65.554	27.094	95.700	65.572	27.095	95.704
30%	Vmin	97.118	27.071	96.159	97.133	27.070	96.168	97.153	27.072	96.172	97.164	27.073	96.169	97.182	27.072	96.172
50%	Vmin	164.590	27.121	96.324	164.615	27.124	96.321	164.658	27.121	96.327	164.690	27.121	96.330	164.722	27.122	96.336
75%	Vmin	210.774	27.091	96.102	210.782	27.091	96.106	210.810	27.092	96.111	210.851	27.091	96.117	210.856	27.090	96.120
100%	Vmin	285.588	27.037	95.609	285.589	27.039	95.612	285.523	27.038	95.607	285.511	27.037	95.609	285.476	27.039	95.609
10%	Vnom	29.623	32.138	93.657	29.630	32.138	93.634	29.629	32.139	93.647	29.622	32.136	93.641	29.625	32.138	93.647
20%	Vnom	65.564	32.120	95.563	65.562	32.119	95.557	65.574	32.119	95.565	65.589	32.119	95.564	65.601	32.118	95.570
30%	Vnom	97.191	32.101	96.198	97.208	32.097	96.203	97.222	32.097	96.209	97.251	32.099	96.212	97.264	32.101	96.213
50%	Vnom	164.601	32.061	96.406	164.669	32.059	96.410	164.651	32.058	96.420	164.706	32.058	96.419	164.738	32.057	96.424
75%	Vnom	210.571	32.032	96.303	210.643	32.032	96.312	210.636	32.031	96.309	210.688	32.030	96.312	210.677	32.031	96.316
100%	Vnom	285.616	31.988	95.922	285.590	31.989	95.922	285.624	31.990	95.920	285.561	31.986	95.924	285.655	31.987	95.923
10%	Vmax	29.611	38.151	93.362	29.639	38.151	93.332	29.610	38.151	93.368	29.643	38.152	93.367	29.638	38.154	93.351
20%	Vmax	65.548	38.133	95.395	65.586	38.134	95.384	65.615	38.132	95.374	65.634	38.134	95.386	65.657	38.132	95.379
30%	Vmax	97.190	38.117	96.188	97.137	38.118	96.200	97.177	38.118	96.192	97.212	38.119	96.196	97.179	38.116	96.203
50%	Vmax	164.587	38.087	96.472	164.612	38.086	96.481	164.623	38.086	96.477	164.633	38.085	96.483	164.658	38.083	96.486
75%	Vmax	210.747	38.067	96.489	210.780	38.067	96.489	210.777	38.064	96.487	210.790	38.063	96.492	210.826	38.064	96.495
100%	Vmax	285.523	38.029	96.253	285.558	38.030	96.246	285.538	38.027	96.250	285.556	38.030	96.244	285.550	38.028	96.251

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	29.571	27.012	93.824	29.588	27.013	93.814	29.589	27.012	93.839	29.575	27.011	93.816	29.594	27.013	93.835
20%	Vmin	65.581	27.095	95.713	65.601	27.095	95.707	65.593	27.095	95.710	65.624	27.094	95.704	65.633	27.096	95.716
30%	Vmin	97.192	27.073	96.176	97.207	27.072	96.184	97.226	27.073	96.192	97.241	27.074	96.188	97.254	27.075	96.195
50%	Vmin	164.742	27.121	96.336	164.748	27.122	96.338	164.780	27.123	96.343	164.799	27.124	96.346	164.821	27.121	96.349
75%	Vmin	210.867	27.089	96.121	210.897	27.091	96.127	210.914	27.090	96.127	210.912	27.093	96.129	210.935	27.092	96.135
100%	Vmin	285.492	27.039	95.610	285.466	27.039	95.609	285.468	27.039	95.607	285.502	27.040	95.602	285.512	27.038	95.600
10%	Vnom	29.631	32.136	93.651	29.638	32.138	93.657	29.637	32.137	93.659	29.632	32.138	93.661	29.633	32.137	93.665
20%	Vnom	65.618	32.118	95.572	65.621	32.118	95.589	65.649	32.119	95.594	65.640	32.119	95.583	65.672	32.119	95.589
30%	Vnom	97.295	32.100	96.216	97.331	32.100	96.212	97.319	32.099	96.222	97.311	32.098	96.225	97.378	32.098	96.219
50%	Vnom	164.737	32.059	96.432	164.773	32.058	96.435	164.841	32.060	96.429	164.843	32.058	96.438	164.843	32.058	96.441
75%	Vnom	210.734	32.033	96.318	210.727	32.032	96.320	210.747	32.031	96.330	210.755	32.031	96.322	210.798	32.032	96.330
100%	Vnom	285.586	31.987	95.922	285.595	31.987	95.920	285.568	31.984	95.927	285.608	31.987	95.928	285.598	31.987	95.930
10%	Vmax	29.607	38.154	93.371	29.636	38.155	93.373	29.650	38.156	93.375	29.649	38.153	93.358	29.648	38.153	93.377
20%	Vmax	65.659	38.133	95.390	65.647	38.133	95.397	65.627	38.135	95.408	65.645	38.132	95.415	65.683	38.135	95.395
30%	Vmax	97.247	38.118	96.201	97.193	38.117	96.213	97.266	38.119	96.200	97.235	38.119	96.212	97.239	38.118	96.223
50%	Vmax	164.687	38.084	96.481	164.681	38.085	96.484	164.718	38.084	96.489	164.740	38.085	96.495	164.728	38.086	96.493
75%	Vmax	210.848	38.061	96.497	210.866	38.066	96.501	210.862	38.063	96.500	210.876	38.063	96.506	210.850	38.063	96.504
100%	Vmax	285.514	38.029	96.250	285.583	38.030	96.249	285.504	38.026	96.253	285.542	38.029	96.246	285.598	38.029	96.248