Manufacturer: Enphase Energy

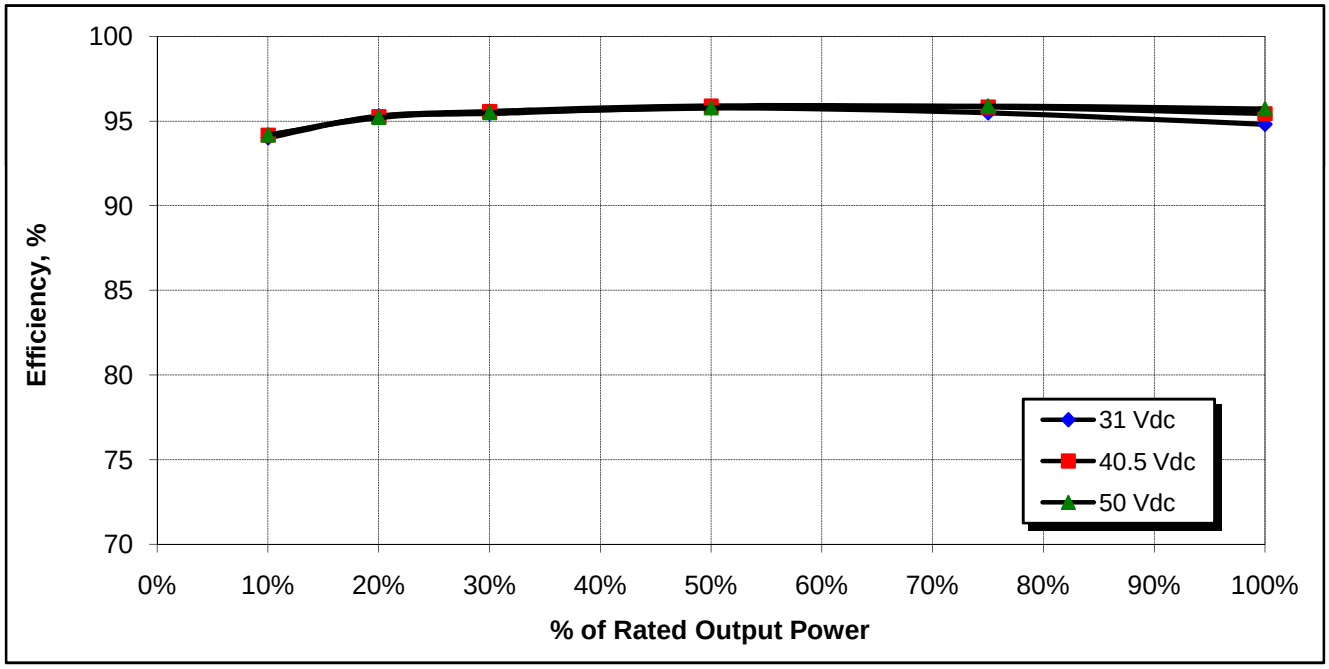
Model #: M210-84-240-Sxx

Rated Maximum Continuous Output Power @25°C: 0.210 kW Night Tare Loss: 0.01 W
Rated Maximum Continuous Output Power @40°C: 0.210 kW Night Tare Loss: 0.01 W

Vmin: 31 Vdc Vnom: 40.5 Vdc Vmax: 50 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.0210	0.0420	0.0630	0.1050	0.1575	0.2100	Wtd
Vmin	31	94.0	95.3	95.4	95.8	95.5	94.8	95.4
Vnom	40.5	94.2	95.3	95.6	95.9	95.8	95.4	95.7
Vmax	50	94.2	95.2	95.5	95.8	95.9	95.7	95.7

CEC Efficiency = 95.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	19.201	31.263	94.027	19.2	31.268	94.006	19.2	31.292	94.022	19.2	31.24	94.021	19.2	31.292	94.008
20%	Vmin	44.214	31.273	95.308	44.19	31.287	95.262	44.21	31.281	95.314	44.21	31.27	95.308	44.21	31.291	95.309
30%	Vmin	66.49	31.13	95.435	66.52	31.129	95.474	66.49	31.124	95.442	66.5	31.127	95.443	66.51	31.128	95.463
50%	Vmin	104.95	31.151	95.786	105	31.145	95.795	105	31.137	95.788	104.9	31.138	95.763	105	31.133	95.791
75%	Vmin	148.41	31.116	95.493	148.4	31.117	95.497	148.4	31.114	95.474	148.4	31.118	95.504	148.4	31.118	95.492
100%	Vmin	202.65	31.275	94.831	202.6	31.275	94.833	202.5	31.269	94.791	202.6	31.273	94.828	202.6	31.263	94.802
10%	Vnom	19.004	40.142	94.182	19	40.15	94.186	19	40.118	94.173	19	40.156	94.161	19	40.15	94.175
20%	Vnom	45.088	40.313	95.267	45.08	40.303	95.267	45.1	40.297	95.303	45.08	40.316	95.269	45.08	40.315	95.259
30%	Vnom	66.751	40.144	95.602	66.71	40.141	95.547	66.73	40.144	95.568	66.71	40.145	95.540	66.72	40.147	95.555
50%	Vnom	114.06	40.348	95.891	114.1	40.347	95.895	114.1	40.347	95.883	114.1	40.348	95.912	114.1	40.347	95.903
75%	Vnom	148.5	40.324	95.847	148.5	40.327	95.819	148.5	40.32	95.826	148.5	40.321	95.840	148.5	40.326	95.850
100%	Vnom	200.93	40.214	95.428	201	40.218	95.461	201	40.201	95.449	200.9	40.212	95.438	200.9	40.208	95.436
10%	Vmax	20.226	49.335	94.083	20.31	49.299	94.466	20.3	49.31	94.419	20.29	49.309	94.405	20.3	49.321	94.416
20%	Vmax	43.723	49.117	95.206	43.73	49.131	95.222	43.7	49.108	95.167	43.72	49.11	95.215	43.72	49.122	95.216
30%	Vmax	67.305	49.24	95.517	67.3	49.238	95.525	67.26	49.237	95.467	67.26	49.234	95.464	67.31	49.246	95.526
50%	Vmax	114.4	49.28	95.793	114.4	49.278	95.802	114.4	49.283	95.788	114.4	49.275	95.778	114.4	49.278	95.798
75%	Vmax	157.6	49.247	95.910	157.6	49.247	95.895	157.6	49.248	95.914	157.6	49.251	95.903	157.6	49.253	95.910
100%	Vmax	200.95	49.166	95.689	201	49.162	95.702	201	49.159	95.730	201	49.161	95.706	201	49.166	95.713

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	19.202	31.266	94.030	19.2	31.271	94.004									
20%	Vmin	44.214	31.28	95.314	44.21	31.277	95.312									
30%	Vmin	66.497	31.126	95.444	66.5	31.124	95.442									
50%	Vmin	104.94	31.147	95.772	105	31.141	95.792									
75%	Vmin	148.41	31.117	95.497	148.4	31.111	95.470									
100%	Vmin	202.58	31.275	94.797	202.7	31.274	94.827									
10%	Vnom	19	40.16	94.166	19	40.16	94.159									
20%	Vnom	45.072	40.324	95.242	45.08	40.333	95.248									
30%	Vnom	66.744	40.132	95.587	66.74	40.128	95.589									
50%	Vnom	114.05	40.35	95.881	114.1	40.353	95.890									
75%	Vnom	148.46	40.328	95.820	148.5	40.324	95.825									
100%	Vnom	200.99	40.21	95.464	200.9	40.214	95.439									
10%	Vmax	20.14	49.313	93.691	20.15	49.333	93.733									
20%	Vmax	43.725	49.112	95.218	43.72	49.133	95.215									
30%	Vmax	67.3	49.235	95.515	67.26	49.242	95.461									
50%	Vmax	114.38	49.285	95.772	114.4	49.277	95.784									
75%	Vmax	157.55	49.254	95.881	157.5	49.249	95.880									
100%	Vmax	201.03	49.166	95.735	201	49.161	95.737									