Manufacturer: Beacon Power Corporation

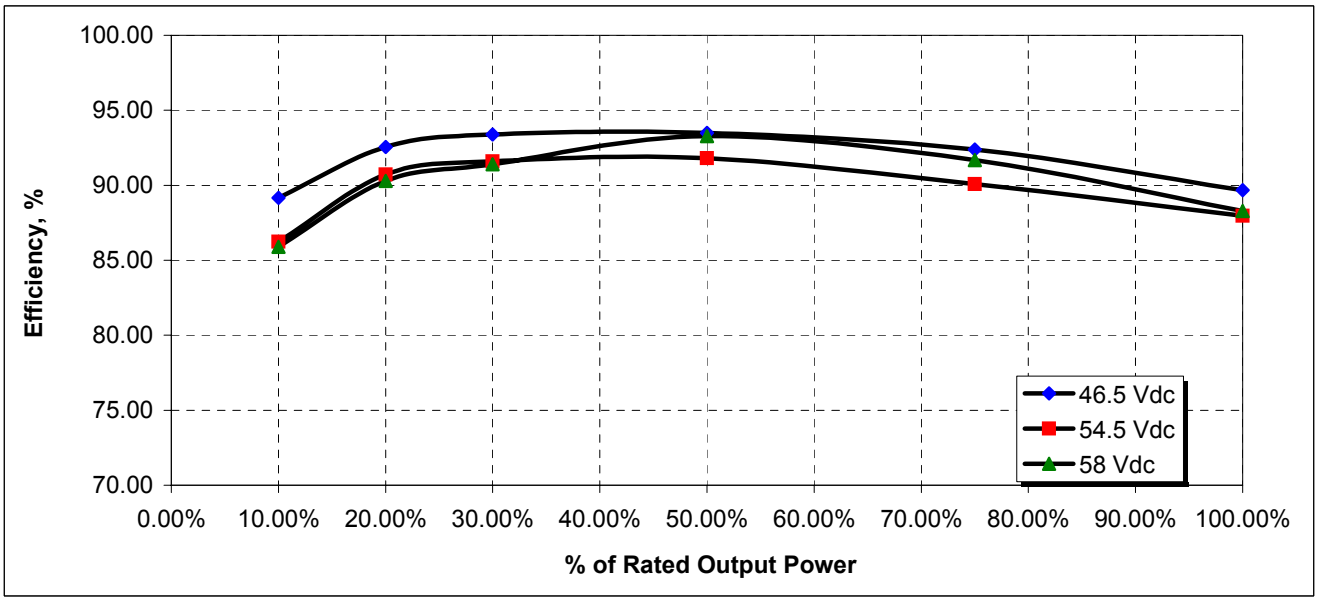
Model #: M4+

Rated Maximum Continuous Output Power: 4000 W Night Tare Loss: 14 W

Vmin: 46.5 Vdc Vnom: 54.5 Vdc Vmax: 58 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		400.00	800.00	1200.00	2000.00	3000.00	4000.00	Wtd
Vmin	46.5	89.16	92.55	93.39	93.49	92.37	89.68	92.48
Vnom	54.5	86.23	90.71	91.58	91.80	90.08	87.97	90.39
Vmax	58	85.90	90.28	91.40	93.28	91.68	88.30	91.51

CEC Efficiency = 91.5%



Specified				10%				20%				30%	
Output Power	Input Voltage	Output Power	Input Power	Input Voltage	Efficiency	Output Power	Input Power	Input Voltage	Efficiency	Output Power	Input Power	Input Voltage	Efficiency
% of rated	(Vdc)	(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)
Sample #1	Vmin	412	462	46.51	89.177	797	861	46.48	92.567	1200	1285	46.34	93.385
Sample #2	Vmin	411	461	46.47	89.154	797	861	46.48	92.567	1201	1287	46.34	93.318
Sample #3	Vmin	411	461	46.47	89.154	797	862	46.48	92.459	1201	1285	46.34	93.463
Sample #4	Vmin	411	461	46.47	89.154	797	861	46.48	92.567	1201	1285	46.34	93.463
Sample #5	Vmin	411	462	46.47	88.961	797	861	46.48	92.567	1201	1287	46.34	93.318
Sample #6	Vmin	412	461	46.47	89.371	797	861	46.48	92.567	1202	1287	46.34	93.395
Sample #7	Vmin	411	461	46.47	89.154	797	861	46.48	92.567	1202	1287	46.34	93.395
Sample #8	Vmin												
Sample #9	Vmin												
Sample #10	Vmin												
Sample #1	Vnom	402	466	54.45	86.266	801	883	54.58	90.713	1211	1324	54.43	91.465
Sample #2	Vnom	402	466	54.45	86.266	801	883	54.58	90.713	1212	1326	54.43	91.403
Sample #3	Vnom	402	466	54.45	86.266	801	883	54.58	90.713	1211	1322	54.43	91.604
Sample #4	Vnom	402	465	54.45	86.452	801	883	54.58	90.713	1210	1316	54.43	91.945
Sample #5	Vnom	401	466	54.45	86.052	801	883	54.58	90.713	1210	1322	54.43	91.528
Sample #6	Vnom	401	466	54.45	86.052	801	883	54.58	90.713	1211	1326	54.43	91.327
Sample #7	Vnom	402	466	54.45	86.266	801	883	54.58	90.713	1212	1320	54.43	91.818
Sample #8	Vnom												
Sample #9	Vnom												
Sample #10	Vnom												
Sample #1	Vmax	409	476	57.99	85.924	811	900	58.13	90.111	1217	1333	58.1	91.298
Sample #2	Vmax	409	477	57.99	85.744	813	900	58.13	90.333	1219	1333	58.1	91.448
Sample #3	Vmax	409	476	58	85.924	811	898	58.13	90.312	1219	1331	58.1	91.585
Sample #4	Vmax	410	477	58	85.954	811	898	58.13	90.312	1215	1331	58.1	91.285
Sample #5	Vmax	409	475	57.99	86.105	810	897	58.13	90.301	1216	1330	58.1	91.429
Sample #6	Vmax	409	477	57.99	85.744	810	898	58.13	90.200	1216	1330	58.1	91.429
Sample #7	Vmax	408	475	57.99	85.895	810	896	58.13	90.402	1216	1331	58.09	91.360
Sample #8	Vmax												
Sample #9	Vmax												
Sample #10	Vmax												

		50%				75%				100%	
Output Power	Input Power	Input Voltage	Efficiency	Output Power	Input Power	Input Voltage	Efficiency	Output Power	Input Power	Input Voltage	Efficiency
(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)
1995	2131	46.32	93.618	3016	3276	46.3	92.063	4016	4477	46.34	89.703
1996	2135	46.32	93.489	3017	3224	46.3	93.579	4016	4484	46.34	89.563
1995	2139	46.32	93.268	3017	3280	46.3	91.982	4016	4484	46.34	89.563
1997	2142	46.32	93.231	3017	3270	46.3	92.263	4014	4481	46.34	89.578
1996	2140	46.32	93.271	3017	3278	46.3	92.038	4012	4478	46.34	89.594
1997	2130	46.32	93.756	3021	3274	46.3	92.272	4016	4469	46.34	89.864
1998	2130	46.32	93.803	3024	3272	46.3	92.421	4016	4469	46.34	89.864
1979	2159	54.45	91.663	3009	3325	54.39	90.496	4002	4560	54.52	87.763
1980	2158	54.45	91.752	3008	3338	54.39	90.114	4006	4576	54.52	87.544
1981	2160	54.45	91.713	3009	3346	54.39	89.928	4008	4560	54.52	87.895
1985	2155	54.45	92.111	3011	3347	54.39	89.961	4007	4556	54.52	87.950
1985	2165	54.45	91.686	3009	3342	54.39	90.036	4003	4522	54.52	88.523
1984	2163	54.45	91.724	3008	3344	54.39	89.952	4002	4554	54.52	87.879
1985	2158	54.45	91.983	3007	3339	54.39	90.057	4003	4535	54.52	88.269
2018	2113	58	95.504	3023	3313	58.25	91.247	4023	4563	58.23	88.166
2017	2122	58.04	95.052	3024	3299	58.18	91.664	4027	4562	58.17	88.273
2016	2117	58	95.229	3025	3287	58.19	92.029	4029	4559	58.14	88.375
2017	2194	58.03	91.933	3027	3287	58.26	92.090	4027	4562	58.17	88.273
2016	2200	58.03	91.636	3023	3320	58.18	91.054	4025	4563	58.18	88.210
2018	2200	58.04	91.727	3020	3288	58.28	91.849	4026	4556	58.18	88.367
2018	2197	58.04	91.853	3021	3291	58.26	91.796	4027	4555	58.18	88.408