Manufacturer: Beacon Power Corporation

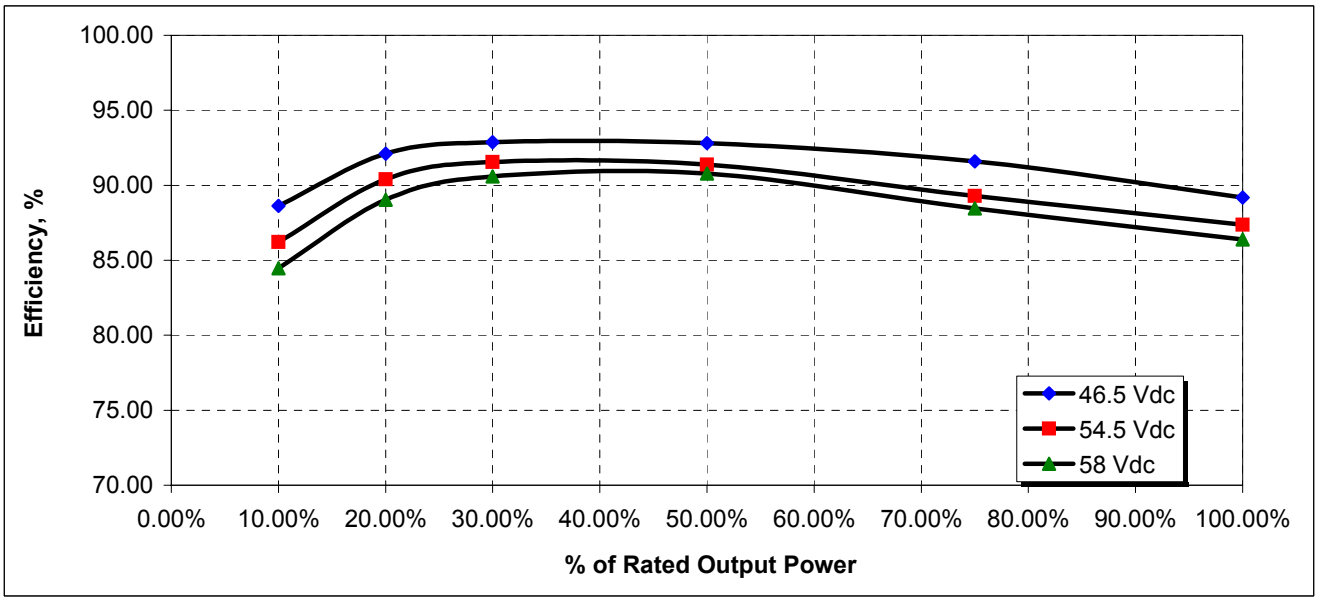
Model #: M4

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	88.63	92.11	92.88	92.82	91.60	89.17	91.79
Vnom	54.5	86.23	90.40	91.55	91.38	89.29	87.38	89.84
Vmax	58	84.47	89.04	90.58	90.79	88.45	86.39	88.97

CEC Efficiency = 90.0%



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
(% of rated)	(Vdc)		(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)	(W)	W	(Vdc)
Sample #1	Vmin		412	465	45.79	88.602	806	875	45.68	92.114	1201	1292	45.89
Sample #2	Vmin		412	465	45.79	88.602	806	875	45.68	92.114	1202	1292	45.89
Sample #3	Vmin		412	465	45.79	88.602	806	875	45.68	92.114	1201	1294	45.89
Sample #4	Vmin		412	464	45.79	88.793	806	875	45.67	92.114	1202	1294	45.89
Sample #5	Vmin		412	465	45.79	88.602	806	875	45.67	92.114	1201	1293	45.89
Sample #6	Vmin		412	465	45.79	88.602	806	875	45.67	92.114	1201	1295	45.89
Sample #7	Vmin		412	465	45.79	88.602	806	875	45.68	92.114	1202	1295	45.89
Sample #8	Vmin												
Sample #9	Vmin												
Sample #10	Vmin												
Sample #1	Vnom		410	475	54.5	86.316	800	885	54.63	90.395	1214	1327	54.47
Sample #2	Vnom		410	475	54.5	86.316	800	885	54.63	90.395	1214	1327	54.47
Sample #3	Vnom		410	475	54.49	86.316	800	885	54.63	90.395	1214	1326	54.47
Sample #4	Vnom		409	475	54.49	86.105	800	885	54.63	90.395	1213	1326	54.47
Sample #5	Vnom		409	475	54.49	86.105	800	885	54.63	90.395	1213	1325	54.47
Sample #6	Vnom		409	475	54.49	86.105	800	885	54.63	90.395	1214	1324	54.47
Sample #7	Vnom		410	475	54.48	86.316	800	885	54.63	90.395	1214	1325	54.47
Sample #8	Vnom												
Sample #9	Vnom												
Sample #10	Vnom												
Sample #1	Vmax		408	483	58.2	84.472	792	890	58	88.989	1210	1335	58.1
Sample #2	Vmax		408	483	58.2	84.472	792	890	58	88.989	1210	1335	58.1
Sample #3	Vmax		408	483	58.2	84.472	792	890	58	88.989	1210	1335	58.1
Sample #4	Vmax		408	483	58.2	84.472	793	890	58	89.101	1209	1334	58.1
Sample #5	Vmax		408	483	58.2	84.472	793	891	58	89.001	1209	1336	58.1
Sample #6	Vmax		408	483	58.2	84.472	793	890	58	89.101	1208	1335	58.1
Sample #7	Vmax		408	483	58.2	84.472	793	890	58	89.101	1208	1334	58.1
Sample #8	Vmax												
Sample #9	Vmax												
Sample #10	Vmax												

			50%				75%				100%	
Efficiency	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)	(%)
92.957	2006	2161	45.9	92.827	3044	3324	45.8	91.576	4013	4499	45.88	89.198
93.034	2006	2160	45.9	92.870	3046	3325	45.8	91.609	4013	4498	45.87	89.217
92.813	2008	2162	45.9	92.877	3046	3327	45.8	91.554	4013	4500	45.87	89.178
92.890	2009	2164	45.9	92.837	3047	3326	45.8	91.612	4013	4502	45.86	89.138
92.885	2006	2162	45.9	92.784	3047	3327	45.79	91.584	4013	4503	45.88	89.118
92.741	2006	2160	45.9	92.870	3049	3325	45.79	91.699	4013	4502	45.85	89.138
92.819	2005	2164	45.9	92.652	3049	3331	45.79	91.534	4013	4498	45.85	89.217
91.485	2000	2187	54.66	91.449	3004	3358	54.31	89.458	4013	4592	54.44	87.391
91.485	2000	2191	54.66	91.283	3005	3365	54.31	89.302	4013	4593	54.44	87.372
91.554	1999	2190	54.66	91.279	3010	3363	54.31	89.503	4013	4597	54.44	87.296
91.478	2001	2192	54.66	91.286	3004	3376	54.31	88.981	4011	4595	54.44	87.291
91.547	2002	2189	54.66	91.457	3002	3363	54.31	89.266	4011	4584	54.44	87.500
91.692	2002	2190	54.66	91.416	3004	3365	54.31	89.272	4008	4584	54.44	87.435
91.623	2004	2191	54.66	91.465	3003	3364	54.31	89.269	4011	4591	54.4	87.367
90.637	2008	2214	58.2	90.696	2999	3388	58.1	88.518	4010	4648	58	86.274
90.637	2011	2216	58.1	90.749	3000	3390	58.1	88.496	4011	4641	58	86.425
90.637	2013	2219	58.1	90.717	3000	3390	58.1	88.496	4014	4644	58	86.434
90.630	2014	2221	58.1	90.680	3000	3393	58.1	88.417	4014	4645	58	86.416
90.494	2015	2217	58.2	90.889	2999	3393	58.1	88.388	4015	4647	58	86.400
90.487	2014	2216	58.1	90.884	2998	3393	58.1	88.358	4014	4644	58	86.434
90.555	2015	2217	58.2	90.889	3000	3390	58.1	88.496	4014	4647	58	86.378