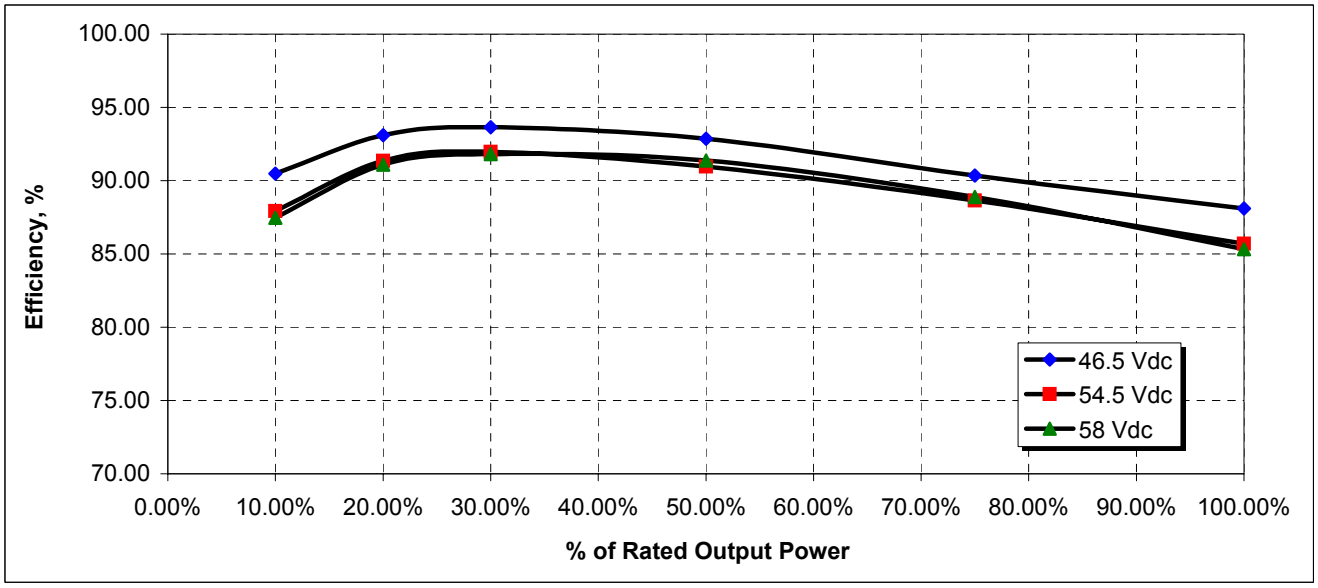
Manufacturer: Beacon Power Corporation
Model #: M5+

Rated Maximum Continuous Output Power: 5000 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)		500.00	1000.00	1500.00	2500.00	3750.00	5000.00	Wtd
Vmin	46.5	90.49	93.10	93.64	92.85	90.35	88.11	91.30
Vnom	54.5	87.93	91.36	91.96	90.96	88.65	85.70	89.49
Vmax	58	87.48	91.09	91.81	91.38	88.89	85.33	89.64

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	Efficiency	Output Power
% of rated	(Vdc)	(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)	(W)
Sample #	Vmin	507	560	46.48	90.536	1014	1088	46.4	93.199	1515	1621	46.47	93.461	2508
Sample #	Vmin	507	560	46.48	90.536	1014	1089	46.4	93.113	1515	1618	46.47	93.634	2508
Sample #	Vmin	507	560	46.48	90.536	1013	1089	46.4	93.021	1515	1616	46.47	93.750	2510
Sample #	Vmin	507	560	46.48	90.536	1013	1089	46.4	93.021	1515	1611	46.47	94.041	2512
Sample #	Vmin	507	560	46.48	90.536	1014	1089	46.4	93.113	1515	1615	46.47	93.808	2513
Sample #	Vmin	506	560	46.48	90.357	1014	1089	46.4	93.113	1515	1622	46.47	93.403	2511
Sample #	Vmin	507	561	46.48	90.374	1014	1089	46.4	93.113	1515	1622	46.47	93.403	2511
Sample #	Vmin													
Sample #	Vmin													
ample #1	Vmin													
Sample #	Vnom	494	562	54.42	87.900	1013	1108	54.51	91.426	1485	1605	54.34	92.523	2503
Sample #	Vnom	494	562	54.42	87.900	1012	1107	54.51	91.418	1484	1623	54.34	91.436	2502
Sample #	Vnom	494	562	54.42	87.900	1011	1107	54.51	91.328	1486	1622	54.34	91.615	2501
Sample #	Vnom	495	562	54.42	88.078	1011	1108	54.51	91.245	1486	1621	54.34	91.672	2501
Sample #	Vnom	494	562	54.42	87.900	1011	1107	54.51	91.328	1485	1608	54.34	92.351	2500
Sample #	Vnom	494	562	54.42	87.900	1011	1107	54.51	91.328	1484	1608	54.34	92.289	2501
Sample #	Vnom	494	562	54.42	87.900	1012	1107	54.51	91.418	1489	1622	54.34	91.800	2504
Sample #	Vnom													
Sample #	Vnom													
ample #1	Vnom													
Sample #	Vmax	501	574	58.05	87.282	1027	1128	58.02	91.046	1505	1641	58	91.712	2531
Sample #	Vmax	502	574	58.05	87.456	1027	1127	58.02	91.127	1508	1642	58	91.839	2530
Sample #	Vmax	501	573	58.05	87.435	1026	1126	58.02	91.119	1507	1643	58	91.722	2530
Sample #	Vmax	501	573	58.05	87.435	1026	1127	58.02	91.038	1508	1641	58	91.895	2529
Sample #	Vmax	502	574	58.05	87.456	1026	1127	58.02	91.038	1507	1636	58	92.115	2530
Sample #	Vmax	503	573	58.05	87.784	1027	1127	58.02	91.127	1508	1643	58	91.783	2531
Sample #	Vmax	503	575	58.05	87.478	1027	1127	58.02	91.127	1508	1646	58	91.616	2532
Sample #	Vmax													
Sample #	Vmax													
ample #1	Vmax													

	50%				75%				100%	
Input Power	Input Voltage	Efficien cy	Output Power	Input Power	Input Voltage	Efficien cy	Output Power	Input Power	Input Voltage	Efficien cy
W	(Vdc)	(%)	(W)	W	(Vdc)	(%)	(W)	W	(Vdc)	(%)
2699	46.45	92.923	3745	4141	46.36	90.437	4976	5640	46,27	88.227
2703	46.44	92.786	3746	4172	46.37	89.789	4972	5652	46.26	87.969
2707	46.44	92.723	3749	4137	46.37	90.621	4978	5653	46.25	88.059
2707	46.44	92.796	3742	4178	46.37	89.564	4975	5646	46.24	88.115
2706	46.44	92.868	3743	4123	46.36	90.783	4977	5641	46.24	88.229
2698	46.44	93.069	3747	4125	46.37	90.836	4978	5651	46.23	88.091
2706	46.44	92.794	3745	4141	46.37	90.437	4978	5652	46.23	88.075
2752	54.77	90.952	3748	4231	54.55	88.584	5035	5886	54.32	85.542
2749	54.77	91.015	3745	4206	54.55	89.039	5034	5876	54.32	85.671
2750	54.57	90.945	3749	4238	54.55	88.462	5036	5877	54.32	85.690
2750	54.57	90.945	3751	4234	54.55	88.592	5037	5874	54.32	85.751
2750	54.57	90.909	3749	4235	54.55	88.524	5036	5884	54.32	85.588
2748	54.57	91.012	3749	4226	54.55	88.713	5030	5876	54.32	85.602
2753	54.57	90.955	3749	4229	54.55	88.650	5032	5849	54.32	86.032
2763	58	91.603	3741	4213	58.22	88.797	4994	5858	58.15	85.251
2776	58.1	91.138	3745	4212	58.22	88.913	4998	5860	58.12	85.290
2771	58.09	91.303	3744	4212	58.26	88.889	4998	5851	58.05	85.421
2767	58.1	91.399	3744	4212	58.22	88.889	4997	5853	58.09	85.375
2763	58.14	91.567	3745	4213	58.23	88.892	4997	5853	58.15	85.375
2767	58.14	91.471	3744	4210	58.2	88.931	4995	5857	58.15	85.283
2776	58.15	91.210	3744	4211	58.23	88.910	4996	5855	58.15	85.329