Manufacturer: OutBack Power Technologies

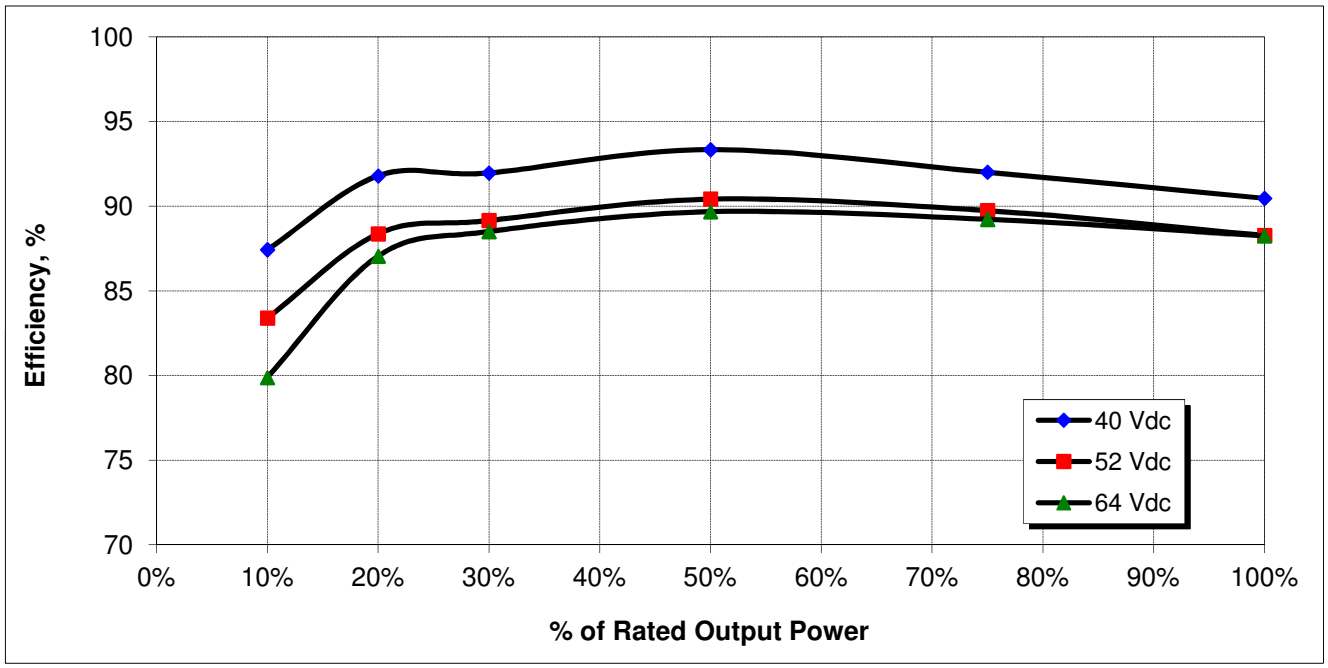
Model #: GS8048

Rated Maximum Continuous Output Power: 7.65 kW Night Tare Loss: 0.00 W

Vmin: 40 Vdc Vnom: 52 Vdc Vmax: 64 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.76	1.53	2.29	3.82	5.74	7.65	Wtd
Vmin	40	87.4	91.8	92.0	93.3	92.0	90.5	92.0
Vnom	52	83.4	88.4	89.2	90.4	89.7	88.3	89.4
Vmax	64	79.9	87.0	88.5	89.7	89.2	88.3	88.7

CEC Efficiency = 90.0%



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	767	40.03	87.430	767	40.03	87.510	767	40.03	87.370	767	40.02	87.450	767	40.02	87.400
20%	Vmin	1531	40.05	91.720	1531	40.05	91.890	1531	40.05	91.860	1531	40.06	91.820	1531	40.06	91.670
30%	Vmin	2286	40	91.950	2286	40.01	92.100	2286	40	91.930	2286	39.99	92.020	2286	40	91.820
50%	Vmin	3812	40.02	93.360	3813	40.01	93.340	3812	40.03	93.350	3812	40.03	93.250	3812	40.02	93.400
75%	Vmin	5717	40.58	92.080	5716	40.57	91.970	5716	40.56	91.980	5714	40.56	92.000	5713	40.53	92.000
100%	Vmin	7654	39.92	90.490	7663	39.94	90.520	7661	39.94	90.490	7661	39.95	90.390	7656	39.94	90.430
10%	Vnom	765	52.14	83.390	765	52.16	83.510	765	52.15	83.320	765	52.14	83.420	766	52.35	83.330
20%	Vnom	1536	52.11	88.310	1536	52.1	88.560	1536	52.11	88.350	1536	52.11	88.370	1536	52.1	88.270
30%	Vnom	2311	52.06	89.180	2311	52.06	89.140	2312	52.06	89.140	2312	52.06	89.220	2312	52.07	89.110
50%	Vnom	3847	52.23	90.320	3847	52.25	90.530	3847	52.25	90.290	3848	52.25	90.490	3848	52.25	90.470
75%	Vnom	5780	52.13	89.750	5781	52.14	89.720	5781	52.12	89.750	5781	52.14	89.770	5782	52.12	89.730
100%	Vnom	7684	52	88.260	7684	52.01	88.450	7684	51.99	88.130	7683	52.01	88.330	7683	52.01	88.230
10%	Vmax	767	63.7	79.940	767	63.72	79.970	767	63.73	79.870	767	63.72	79.750	767	63.71	79.900
20%	Vmax	1524	64.06	86.990	1524	64.06	87.100	1524	64.05	87.040	1524	64.05	87.080	1524	64.06	87.010
30%	Vmax	2295	64.02	88.400	2295	64.03	88.560	2295	64.03	88.360	2295	64.02	88.580	2295	64.01	88.600
50%	Vmax	3813	64	89.680	3813	64	89.660	3812	64	89.680	3813	63.99	89.640	3812	64	89.700
75%	Vmax	5732	63.98	89.260	5730	63.98	89.320	5730	63.98	89.110	5730	63.98	89.330	5730	63.98	89.110
100%	Vmax	7624	64.02	88.210	7624	64.04	88.210	7622	64.03	88.250	7621	64.01	88.300	7620	64.03	88.290

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															