Manufacturer: OutBack Power Technologies

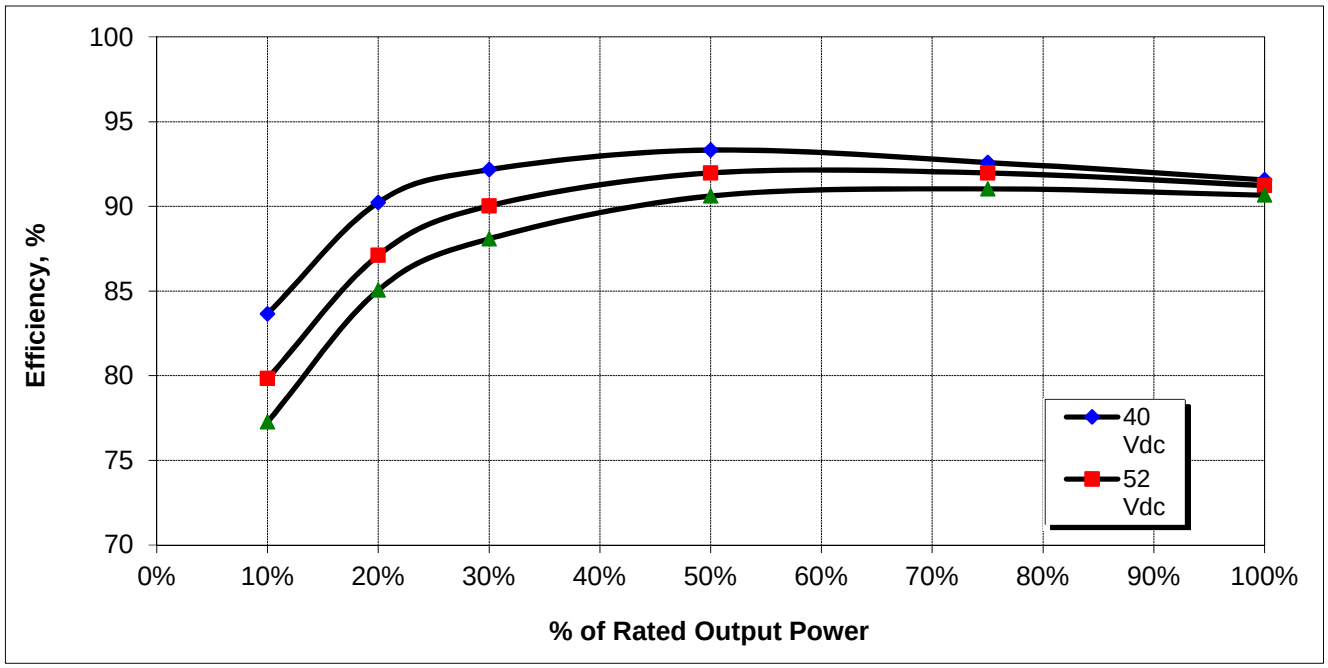
Model #: FXR3048A

Rated Maximum Continuous Output Power: 2.56 kW Night Tare Loss: 0.00 W

Vmin: 40 Vdc Vnom: 52 Vdc Vmax: 60 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.26	0.51	0.77	1.28	1.92	2.56	Wtd
Vmin	40	83.7	90.2	92.2	93.3	92.6	91.6	92.2
Vnom	52	79.8	87.1	90.0	92.0	92.0	91.2	91.0
Vmax	60	77.3	85.1	88.1	90.6	91.0	90.7	89.7

CEC Efficiency = 91.0%



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	-288	40.234	83.870	-288	40.233	83.800	-288	40.232	83.500	-287	40.234	83.610	-287	40.234	83.470
20%	Vmin	-578	40.215	90.230	-578	40.213	90.310	-578	40.21	89.970	-578	40.215	90.460	-578	40.214	90.220
30%	Vmin	-867	40.194	92.150	-867	40.194	92.170	-867	40.194	92.160	-867	40.193	92.070	-867	40.194	92.280
50%	Vmin	-1440	40.153	93.330	-1440	40.154	93.240	-1440	40.152	93.340	-1440	40.152	93.370	-1440	40.153	93.370
75%	Vmin	-2170	40.097	92.600	-2170	40.097	92.560	-2170	40.098	92.620	-2170	40.098	92.630	-2170	40.098	92.570
100%	Vmin	-2900	40.042	91.590	-2900	40.041	91.550	-2900	40.041	91.560	-2900	40.04	91.560	-2900	40.043	91.550
10%	Vnom	-290	52.1	79.810	-291	52.1	79.650	-291	52.1	79.760	-291	52.1	80.070	-291	52.1	79.870
20%	Vnom	-577	52.08	87.040	-577	52.08	87.150	-577	52.08	86.970	-578	52.08	87.220	-578	52.08	87.140
30%	Vnom	-865	52.07	90.090	-866	52.07	90.080	-866	52.07	90.070	-866	52.07	89.990	-866	52.07	89.890
50%	Vnom	-1450	52.04	91.930	-1450	52.04	91.970	-1450	52.04	91.990	-1450	52.04	91.930	-1450	52.04	92.050
75%	Vnom	-2160	52	92.020	-2160	52	91.890	-2160	52	91.960	-2170	52	92.020	-2170	52	91.980
100%	Vnom	-2890	51.96	91.260	-2890	51.96	91.240	-2890	51.96	91.220	-2890	51.96	91.260	-2890	51.96	91.170
10%	Vmax	-288	60.18	77.270	-287	60.18	77.030	-287	60.18	77.300	-288	60.17	77.210	-288	60.18	77.480
20%	Vmax	-579	60.16	85.040	-579	60.16	84.910	-580	60.16	85.140	-580	60.16	85.020	-580	60.16	85.140
30%	Vmax	-864	60.15	88.090	-863	60.15	88.250	-864	60.15	88.110	-863	60.15	87.890	-863	60.15	88.070
50%	Vmax	-1450	60.12	90.630	-1450	60.12	90.530	-1450	60.12	90.630	-1450	60.12	90.660	-1450	60.12	90.590
75%	Vmax	-2160	60.09	90.990	-2160	60.09	91.010	-2160	60.09	91.050	-2160	60.09	91.040	-2160	60.08	91.060
100%	Vmax	-2750	60.06	90.660	-2750	60.06	90.620	-2750	60.05	90.650	-2750	60.06	90.680	-2750	60.05	90.670

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															