Manufacturer: OutBack Power Technologies

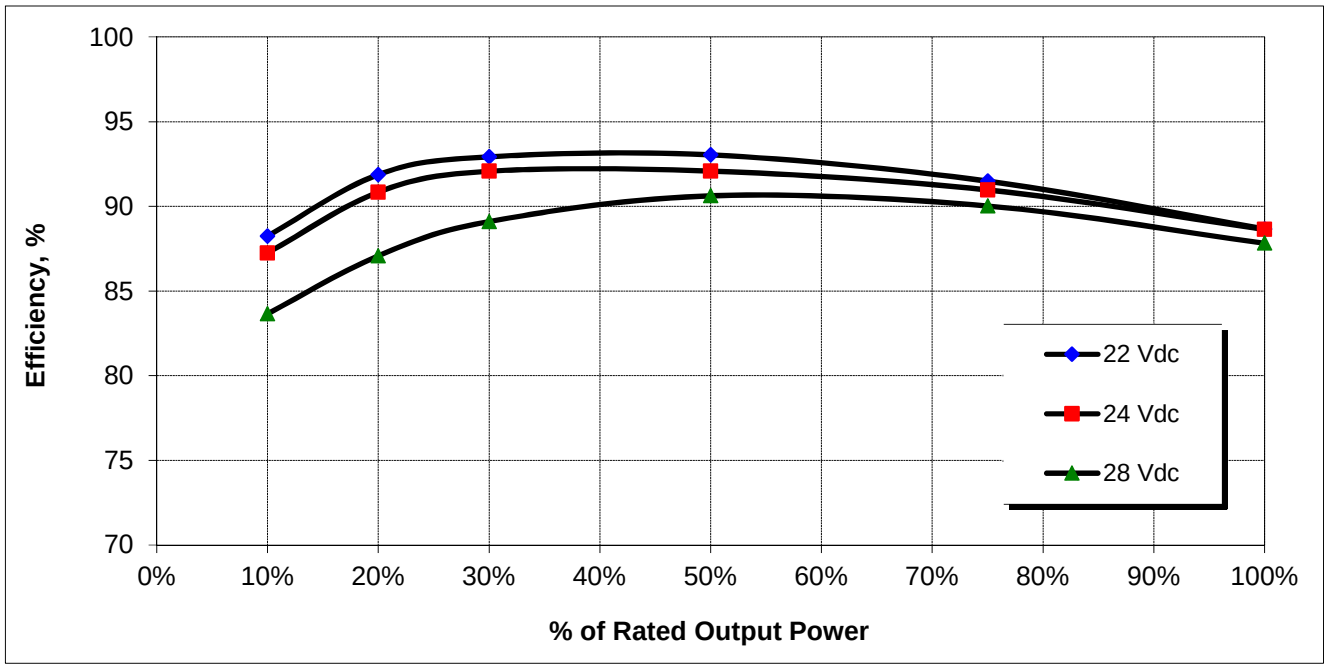
Model #: VFXR3524A

Rated Maximum Continuous Output Power: 2.96 kW Night Tare Loss: 0.00 W

Vmin: 22 Vdc Vnom: 24 Vdc Vmax: 28 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.59	0.89	1.48	2.22	2.96	Wtd
Vmin	22	88.3	91.9	92.9	93.0	91.5	88.7	91.7
Vnom	24	87.2	90.8	92.1	92.1	91.0	88.6	91.1
Vmax	28	83.7	87.1	89.1	90.6	90.0	87.8	89.5

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	283	22.05	88.420	283	22.05	88.260	283	22.05	88.230	283	22.05	88.200	283	22.05	88.140
20%	Vmin	595	22.03	91.840	595	22.03	91.970	594	22.03	91.860	595	22.03	91.900	595	22.03	91.810
30%	Vmin	891	22.03	92.940	891	22.03	92.920	891	22.03	92.900	891	22.03	92.950	892	22.03	92.910
50%	Vmin	1485	22.02	93.070	1484	22.02	93.050	1485	22.02	93.050	1484	22.02	92.990	1484	22.02	93.030
75%	Vmin	2226	22.01	91.270	2228	22.01	91.300	2228	22.01	92.290	2228	22.01	91.310	2227	22.01	91.270
100%	Vmin	2968	22.02	88.650	2969	22.02	88.670	2967	22.02	88.670	2968	22.01	88.670	2966	22.01	88.630
10%	Vnom	281	24.04	87.190	281	24.04	87.120	281	24.04	87.260	281	24.04	87.320	281	24.04	87.350
20%	Vnom	593	24.06	90.760	593	24.06	90.850	593	24.06	90.880	593	24.06	90.850	593	24.06	90.860
30%	Vnom	887	24.08	92.050	887	24.08	92.080	886	24.08	92.060	886	24.07	92.050	886	24.07	92.130
50%	Vnom	1487	24.04	92.090	1487	24.04	92.110	1488	24.04	92.080	1488	24.04	92.110	1488	24.04	92.030
75%	Vnom	2229	24.03	90.970	2228	24.03	90.940	2228	24.03	90.970	2228	24.03	90.970	2229	24.03	91.000
100%	Vnom	2985	24	88.620	2985	24	88.610	2985	24	88.650	2986	24	88.636	2984	24	88.660
10%	Vmax	286	28.02	83.540	286	28.02	83.700	286	28.02	83.640	286	28.02	83.700	286	28.02	83.710
20%	Vmax	597	28.05	87.150	597	28.05	87.020	597	28.05	87.060	597	28.05	87.050	597	28.05	87.110
30%	Vmax	893	28.07	89.060	892	28.07	89.110	893	28.07	89.050	892	28.07	89.160	893	28.07	89.130
50%	Vmax	1489	28.06	90.590	1490	28.06	90.640	1489	28.06	90.600	1490	28.06	90.630	1490	28.06	90.650
75%	Vmax	2232	28.04	90.030	2230	28.04	89.990	2231	28.03	90.020	2231	28.04	90.020	2232	28.04	90.060
100%	Vmax	2987	27.99	87.860	2995	27.99	87.860	2954	27.99	87.830	2970	27.98	87.790	2945	27.99	87.760

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															