Manufacturer: OutBack Power Technologies

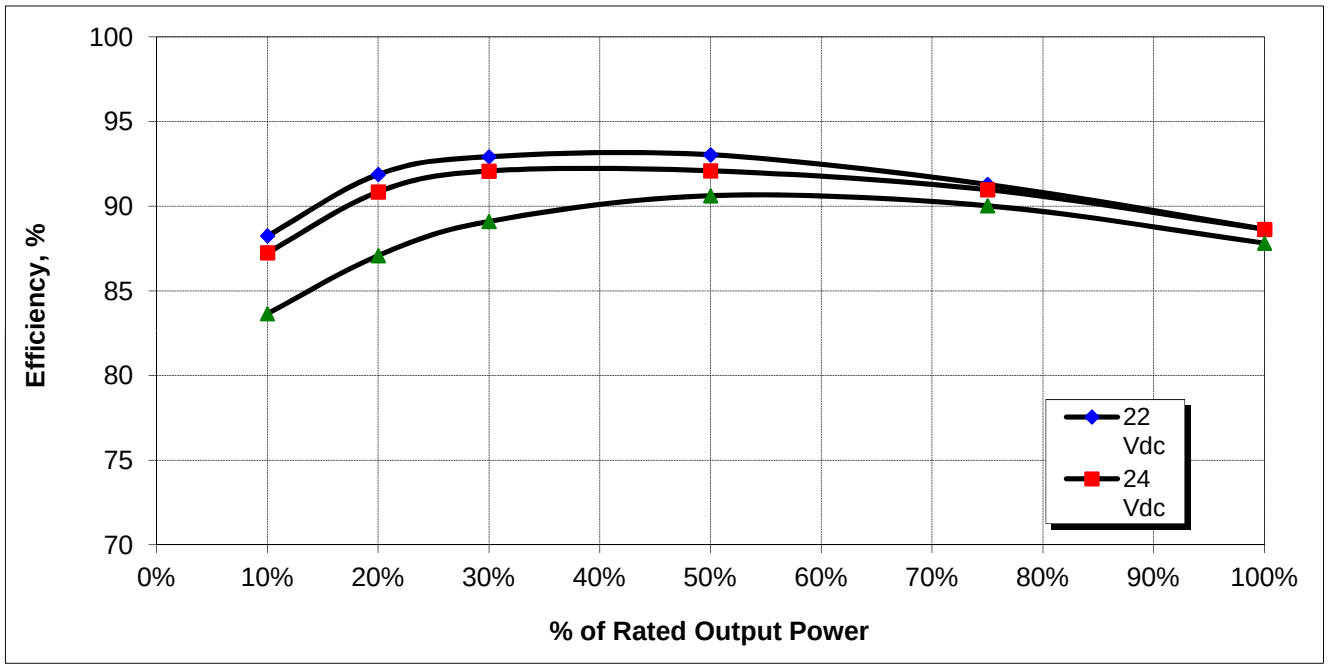
Model #: GVFX3524

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	91.3	88.7	91.6
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 = 90.5%



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	283.00	22.05	88.42	283.00	22.05	88.26	283.00	22.05	88.23	283.00	22.05	88.20	283.00	22.05	88.14
20%	Vmin	595.00	22.03	91.84	595.00	22.03	91.97	594.00	22.03	91.86	595.00	22.03	91.90	595.00	22.03	91.81
30%	Vmin	891.00	22.03	92.94	891.00	22.03	92.92	891.00	22.03	92.90	891.00	22.03	92.95	892.00	22.03	92.91
50%	Vmin	1485.00	22.02	93.07	1484.00	22.02	93.05	1485.00	22.02	93.05	1484.00	22.02	92.99	1484.00	22.02	93.03
75%	Vmin	2226.00	22.01	91.27	2228.00	22.01	91.30	2228.00	22.01	91.29	2228.00	22.01	91.31	2227.00	22.01	91.27
100%	Vmin	2968.00	22.02	88.65	2969.00	22.02	88.67	2967.00	22.02	88.67	2968.00	22.01	88.67	2966.00	22.01	88.63
10%	Vnom	281.00	24.04	87.19	281.00	24.04	87.12	281.00	24.04	87.26	281.00	24.04	87.32	281.00	24.04	87.35
20%	Vnom	593.00	24.06	90.76	593.00	24.06	90.85	593.00	24.06	90.88	593.00	24.06	90.85	593.00	24.06	90.86
30%	Vnom	887.00	24.08	92.05	887.00	24.08	92.08	886.00	24.08	92.06	886.00	24.07	92.05	886.00	24.07	92.13
50%	Vnom	1487.00	24.04	92.09	1487.00	24.04	92.11	1488.00	24.04	92.08	1488.00	24.04	92.11	1488.00	24.04	92.03
75%	Vnom	2229.00	24.03	90.97	2228.00	24.03	90.94	2228.00	24.03	90.97	2228.00	24.03	90.97	2229.00	24.03	91.00
100%	Vnom	2985.00	24.00	88.62	2985.00	24.00	88.61	2985.00	24.00	88.65	2986.00	24.00	88.63	2984.00	24.00	88.66
10%	Vmax	286.00	28.02	83.54	286.00	28.02	83.70	286.00	28.02	83.64	286.00	28.02	83.70	286.00	28.02	83.71
20%	Vmax	597.00	28.05	87.15	597.00	28.05	87.02	597.00	28.05	87.06	597.00	28.05	87.05	597.00	28.05	87.11
30%	Vmax	893.00	28.07	89.06	892.00	28.07	89.11	893.00	28.07	89.05	892.00	28.07	89.16	893.00	28.07	89.13
50%	Vmax	1489.00	28.06	90.59	1490.00	28.06	90.64	1489.00	28.06	90.60	1490.00	28.06	90.63	1490.00	28.06	90.65
75%	Vmax	2232.00	28.04	90.03	2230.00	28.04	89.99	2231.00	28.03	90.02	2231.00	28.04	90.02	2232.00	28.04	90.06
100%	Vmax	2987.00	27.99	87.86	2995.00	27.99	87.86	2954.00	27.99	87.83	2970.00	27.98	87.79	2945.00	27.99	87.76

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															