Manufacturer: OutBack Power Technologies

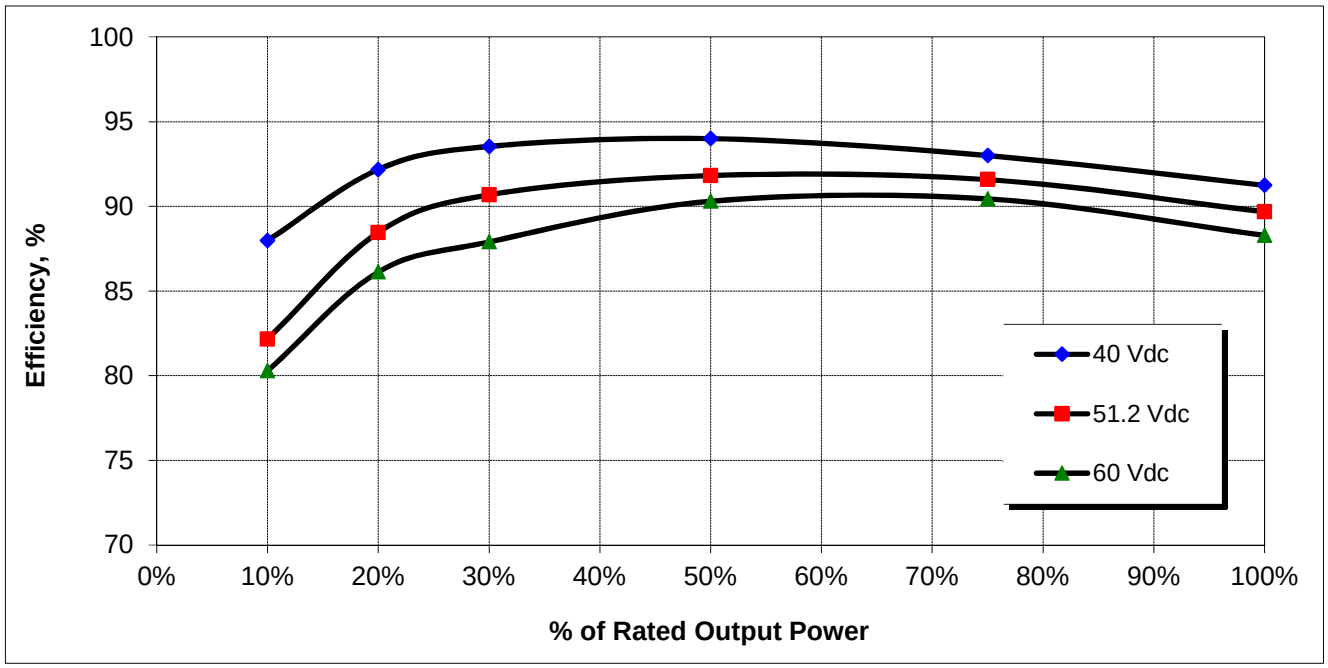
Model #: VFXR3648A

Rated Maximum Continuous Output Power: 3.04 kW Night Tare Loss: 0.00 W

Vmin: 40 Vdc Vnom: 51.2 Vdc Vmax: 60 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.61	0.91	1.52	2.28	3.04	Wtd
Vmin	40	88.0	92.2	93.5	94.0	93.0	91.2	92.9
Vnom	51.2	82.2	88.5	90.7	91.8	91.6	89.7	90.9
Vmax	60	80.3	86.1	87.9	90.3	90.4	88.3	89.4

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	317.8	39.7	88.100	314.7	39.8	88.000	314.4	39.8	87.900	315.3	39.7	87.600	318.8	39.7	88.300
20%	Vmin	651.9	39.7	92.600	657.8	39.4	92.500	658.7	39.6	92.100	655.3	39.7	91.900	655.1	39.7	91.800
30%	Vmin	935.1	39.6	93.300	934.1	39.6	93.400	931.2	39.5	93.600	940.3	39.5	93.600	931.5	39.7	93.800
50%	Vmin	1618.3	39.5	94.900	1601	39.6	93.800	1604	39.75	93.800	1598	39.7	93.800	1603	39.7	93.700
75%	Vmin	2291.4	39.6	93.000	2289	39.6	93.000	2290	39.6	93.000	2284	39.6	93.000	2288	39.6	93.000
100%	Vmin	3011.3	39.5	91.300	3004	39.4	91.100	3028	39.5	91.200	3028	39.8	91.300	3032	39.7	91.300
10%	Vnom	278.8	51.17	82.200	279.3	51.1	82.200	279.5	51.2	82.300	275.4	51.1	82.000	277.1	51.1	82.100
20%	Vnom	640.6	51.1	88.400	639.2	51.1	88.700	638	51	88.500	637.5	51	88.300	633.9	51	88.400
30%	Vnom	943	51	90.600	952	51	90.700	947.4	51	90.600	946.9	51	90.600	940.9	51	90.900
50%	Vnom	1560.2	51.2	91.900	1555	51.1	92.000	1557	51	91.800	1548	51	91.600	1555	51	91.800
75%	Vnom	2284.2	50.9	91.600	2279	50.8	91.600	2273	50.8	91.600	2288	50.9	91.500	2264	50.9	91.600
100%	Vnom	3033.3	51	89.700	3055	51	89.700	3036	51.1	89.700	3032	51	89.600	3041	51.2	89.700
10%	Vmax	331.3	59.4	81.100	313.9	59.5	80.600	312.5	59.3	80.400	331	59.3	81.300	336.6	59.4	78.000
20%	Vmax	633.6	59.5	86.300	636.8	59.5	86.200	639	59.4	86.300	635.5	59.4	86.200	632	59.4	85.600
30%	Vmax	930.3	59.4	88.600	887.3	59.6	86.400	904.1	59.5	88.200	905.9	59.5	88.200	909.9	59.4	88.100
50%	Vmax	1576.7	59.2	90.300	1575	59.4	90.500	1579	59.4	90.300	1570	59.5	90.200	1573	59.5	90.200
75%	Vmax	2260	59.36	90.500	2259	59.35	90.400	2262	59.4	90.500	2252	59.4	90.400	2260	59.5	90.400
100%	Vmax	3015.3	59.5	88.300	3014	59.4	88.200	3010	59.4	88.100	3020	59.3	88.400	3015	59.3	88.400

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															