Manufacturer: Delta Electronics Inc

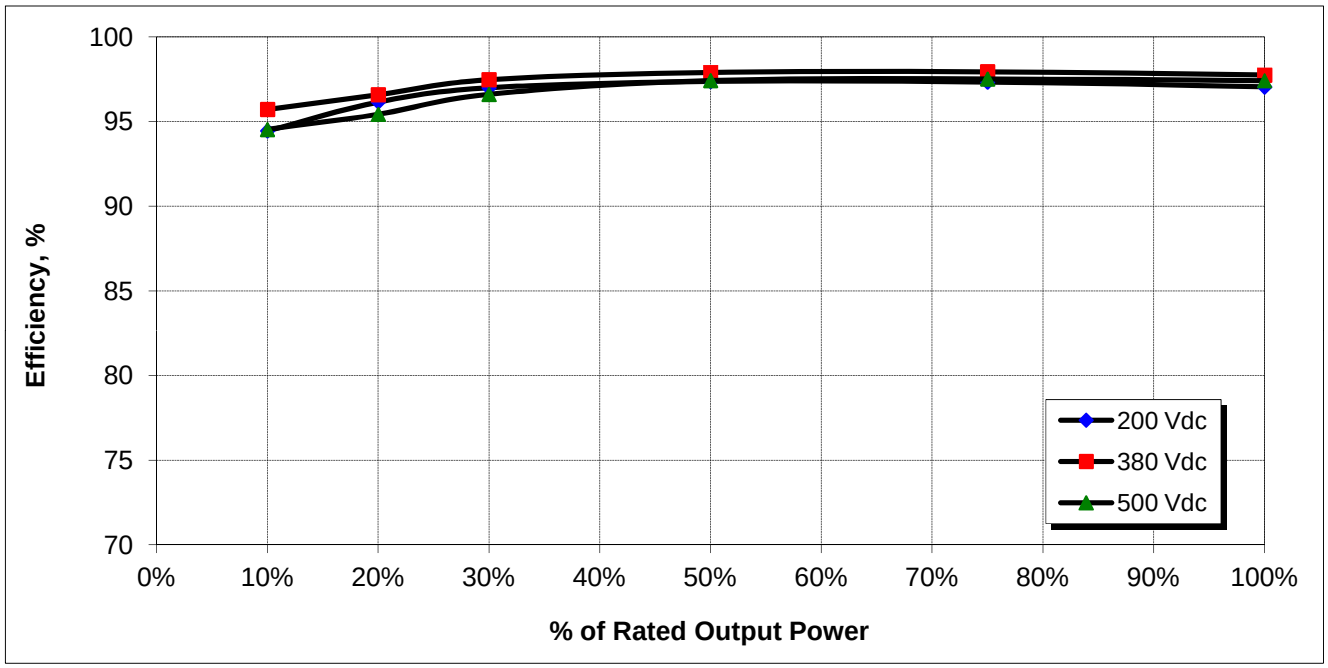
Model #: SOLIVIA 3.0 NA G4 TL 208V

Rated Maximum Continuous Output Power: 3.07 kW Night Tare Loss: 1.12 W

Vmin: 200 Vdc Vnom: 380 Vdc Vmax: 500 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.31	0.61	0.92	1.54	2.30	3.07	Wtd
Vmin	200	94.4	96.1	97.0	97.4	97.3	97.1	97.1
Vnom	380	95.7	96.6	97.5	97.9	97.9	97.7	97.7
Vmax	500	94.5	95.4	96.6	97.4	97.5	97.4	97.2

CEC Efficiency = 97.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	325.4	200.7	94.440	325.3	200.7	94.444	325.5	200.7	94.449	325.4	200.7	94.461	325.3	200.7	94.418
20%	Vmin	651.5	200.5	96.157	651.9	200.5	96.138	651.5	200.5	96.139	651.5	200.5	96.146	651.6	200.5	96.151
30%	Vmin	965.2	200.8	96.981	965.6	200.8	96.987	965.0	200.8	96.991	965.0	200.8	96.982	964.8	200.8	96.984
50%	Vmin	1529.5	200.3	97.353	1529.7	200.3	97.361	1529.8	200.3	97.364	1529.6	200.3	97.363	1529.7	200.3	97.370
75%	Vmin	2259.1	200.9	97.320	2259.0	200.9	97.324	2258.9	200.9	97.329	2259.0	200.8	97.330	2259.0	200.9	97.333
100%	Vmin	3015.0	200.6	97.049	3015.0	200.5	97.052	3014.7	200.5	97.048	3014.7	200.5	97.049	3014.8	200.6	97.047
10%	Vnom	303.5	380.7	95.767	303.4	380.7	95.713	303.4	380.7	95.744	303.2	380.7	95.744	303.1	380.7	95.691
20%	Vnom	606.9	380.4	96.578	608.2	380.4	96.567	605.4	380.4	96.586	604.8	380.4	96.582	605.2	380.4	96.585
30%	Vnom	918.6	380.1	97.479	918.7	380.1	97.488	918.0	380.1	97.467	918.1	380.1	97.466	918.3	380.1	97.463
50%	Vnom	1535.2	380.6	97.899	1535.4	380.6	97.898	1535.8	380.6	97.900	1535.4	380.6	97.897	1534.9	380.6	97.895
75%	Vnom	2265.7	380.3	97.935	2268.0	380.2	97.937	2266.9	380.2	97.941	2265.3	380.3	97.942	2266.9	380.2	97.940
100%	Vnom	3018.8	380.5	97.752	3020.0	380.4	97.747	3017.1	380.5	97.747	3019.4	380.4	97.752	3021.6	380.4	97.749
10%	Vmax	313.1	500.0	94.519	313.1	500.1	94.516	313.1	500.1	94.501	313.1	500.1	94.514	313.2	500.1	94.550
20%	Vmax	616.2	500.3	95.433	616.5	500.3	95.404	616.2	500.3	95.416	615.9	500.3	95.429	616.2	500.3	95.435
30%	Vmax	923.0	500.1	96.601	922.3	500.1	96.585	923.5	500.1	96.624	923.3	500.1	96.618	922.4	500.1	96.598
50%	Vmax	1531.2	500.1	97.422	1531.1	500.1	97.424	1533.0	500.1	97.425	1531.9	500.1	97.433	1531.2	500.1	97.429
75%	Vmax	2254.6	500.0	97.511	2254.2	500.0	97.519	2252.8	500.0	97.518	2252.8	500.0	97.515	2252.8	500.0	97.515
100%	Vmax	3010.2	500.9	97.403	3007.9	500.9	97.408	3008.5	500.9	97.411	3006.2	500.9	97.411	3008.7	500.9	97.413

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	325.4	200.7	94.445	325.3	200.7	94.482									
20%	Vmin	651.6	200.5	96.158	651.2	200.5	96.145									
30%	Vmin	965.3	200.8	96.979	965.1	200.8	96.988									
50%	Vmin	1529.5	200.3	97.368	1529.5	200.3	97.368									
75%	Vmin	2259.0	200.9	97.335	2259.0	200.9	97.338									
100%	Vmin	3014.9	200.6	97.055	3014.6	200.6	97.050									
10%	Vnom	303.1	380.7	95.686	303.1	380.7	95.673									
20%	Vnom	604.7	380.4	96.608	607.0	380.4	96.593									
30%	Vnom	918.7	380.1	97.474	918.8	380.1	97.472									
50%	Vnom	1535.4	380.6	97.903	1535.0	380.6	97.911									
75%	Vnom	2264.7	380.3	97.940	2264.0	380.3	97.949									
100%	Vnom	3020.1	380.4	97.746	3019.4	380.4	97.750									
10%	Vmax	312.9	500.1	94.589	313.0	500.1	94.545									
20%	Vmax	616.4	500.3	95.428	616.0	500.3	95.428									
30%	Vmax	923.0	500.1	96.607	923.0	500.1	96.590									
50%	Vmax	1531.2	500.1	97.424	1531.1	500.1	97.415									
75%	Vmax	2253.9	500.0	97.514	2253.5	500.0	97.514									
100%	Vmax	3009.6	500.8	97.419	3008.5	500.8	97.415									