Manufacturer: Delta Electronics Inc

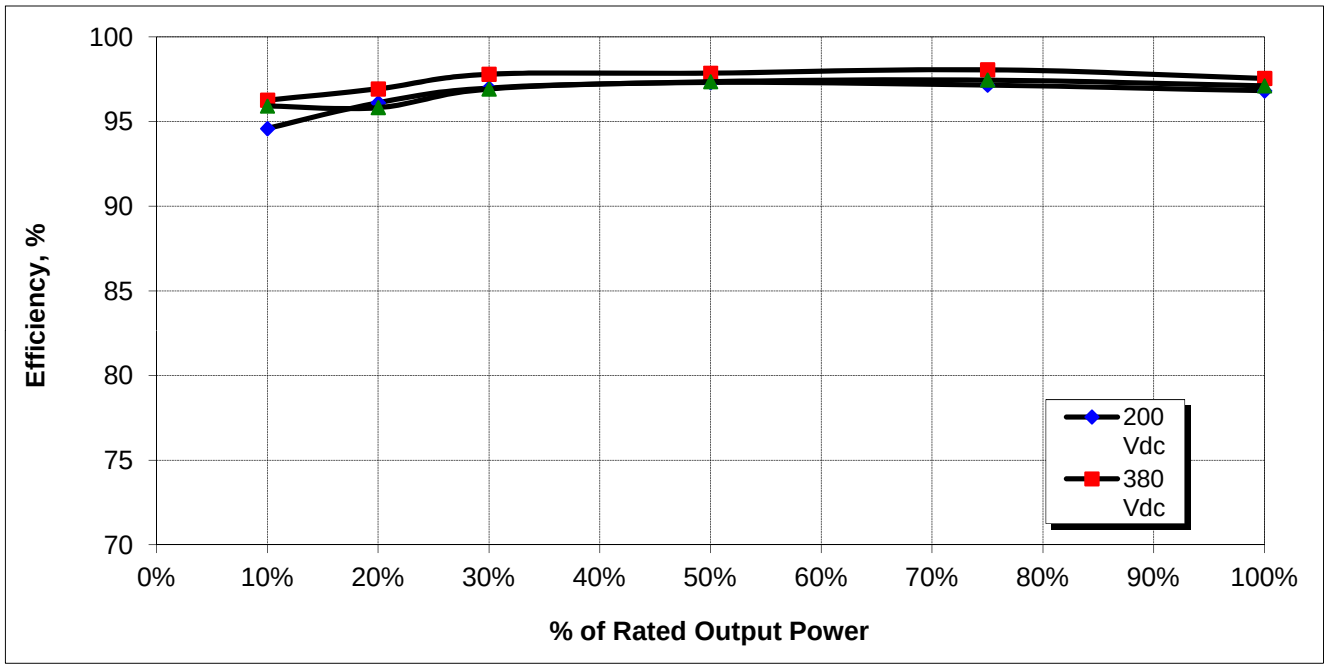
Model #: SOLIVIA 3.8 NA G4 TL 208V

Rated Maximum Continuous Output Power: 3.32 kW Night Tare Loss: 1.14 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.33	0.66	1.00	1.66	2.49	3.32	Wtd
Vmin	200	94.6	96.1	97.0	97.3	97.1	96.8	97.0
Vnom	380	96.3	96.9	97.8	97.9	98.1	97.5	97.8
Vmax	500	95.9	95.8	96.9	97.4	97.4	97.1	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	333.1	200.3	94.589	333.1	200.3	94.596	333.1	200.3	94.586	333.1	200.3	94.587	333.1	200.3	94.580
20%	Vmin	663.8	200.1	96.105	664.0	200.1	96.102	663.8	200.1	96.108	663.7	200.1	96.108	663.8	200.1	96.096
30%	Vmin	995.9	200.4	96.982	995.8	200.4	96.972	995.7	200.4	96.983	995.7	200.4	96.982	995.6	200.4	96.976
50%	Vmin	1658.3	200.3	97.300	1658.2	200.3	97.300	1658.2	200.3	97.301	1658.3	200.3	97.303	1658.2	200.3	97.305
75%	Vmin	2474.2	200.8	97.146	2474.0	200.7	97.146	2473.9	200.7	97.147	2473.7	200.7	97.149	2473.4	200.7	97.148
100%	Vmin	3304.0	200.9	96.817	3304.0	200.9	96.817	3303.9	200.9	96.817	3303.9	200.9	96.819	3304.0	200.9	96.816
10%	Vnom	337.5	380.9	96.244	337.4	380.9	96.272	337.1	380.9	96.269	337.1	380.9	96.242	337.2	380.9	96.259
20%	Vnom	672.4	380.7	96.935	672.4	380.7	96.926	672.1	380.7	96.930	671.6	380.7	96.932	671.7	380.7	96.944
30%	Vnom	996.1	380.7	97.772	996.3	380.7	97.778	996.9	380.6	97.785	997.0	380.7	97.786	996.7	380.7	97.801
50%	Vnom	1657.6	380.7	97.845	1658.3	380.7	97.858	1659.2	380.7	97.859	1657.1	380.7	97.853	1658.1	380.7	97.851
75%	Vnom	2482.3	380.7	98.082	2483.1	380.7	98.075	2484.4	380.7	98.062	2482.1	380.7	98.055	2484.5	380.6	98.035
100%	Vnom	3302.8	380.5	97.547	3303.5	380.5	97.551	3304.4	380.5	97.542	3306.3	380.5	97.542	3305.2	380.5	97.542
10%	Vmax	337.1	500.7	95.954	337.2	500.7	95.936	337.1	500.7	95.905	337.1	500.7	95.900	337.0	500.7	95.878
20%	Vmax	660.9	500.3	95.823	661.0	500.3	95.804	660.8	500.3	95.808	660.6	500.3	95.825	660.8	500.3	95.838
30%	Vmax	993.7	500.8	96.882	993.7	500.8	96.911	993.8	500.8	96.915	993.7	500.8	96.909	994.2	500.8	96.917
50%	Vmax	1657.2	500.4	97.357	1657.3	500.4	97.365	1658.5	500.4	97.364	1657.9	500.4	97.358	1659.0	500.4	97.350
75%	Vmax	2480.1	500.5	97.431	2480.6	500.6	97.440	2481.0	500.6	97.443	2478.8	500.6	97.445	2480.0	500.6	97.450
100%	Vmax	3304.1	500.4	97.116	3303.0	500.4	97.114	3301.4	500.4	97.117	3301.0	500.4	97.112	3300.1	500.4	97.117

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	333.1	200.3	94.578	333.2	200.3	94.587									
20%	Vmin	664.0	200.1	96.113	663.9	200.1	96.106									
30%	Vmin	995.7	200.5	96.971	995.6	200.5	96.971									
50%	Vmin	1658.2	200.3	97.301	1657.8	200.2	97.305									
75%	Vmin	2473.3	200.7	97.153	2473.4	200.7	97.152									
100%	Vmin	3304.3	200.9	96.819	3303.8	200.9	96.819									
10%	Vnom	337.3	380.9	96.268	337.3	380.9	96.278									
20%	Vnom	672.2	380.7	96.922	671.8	380.7	96.938									
30%	Vnom	996.7	380.7	97.813	996.1	380.7	97.807									
50%	Vnom	1658.8	380.7	97.867	1658.3	380.7	97.853									
75%	Vnom	2481.9	380.6	98.029	2481.6	380.7	98.050									
100%	Vnom	3305.4	380.4	97.545	3304.2	380.5	97.539									
10%	Vmax	336.9	500.7	95.937	337.2	500.7	95.904									
20%	Vmax	660.8	500.3	95.843	660.9	500.3	95.821									
30%	Vmax	994.2	500.8	96.941	994.1	500.8	96.985									
50%	Vmax	1658.6	500.4	97.360	1657.1	500.4	97.361									
75%	Vmax	2481.3	500.6	97.468	2479.8	500.6	97.469									
100%	Vmax	3300.6	500.4	97.113	3302.6	500.4	97.113									