Manufacturer: Delta Electronics, Inc

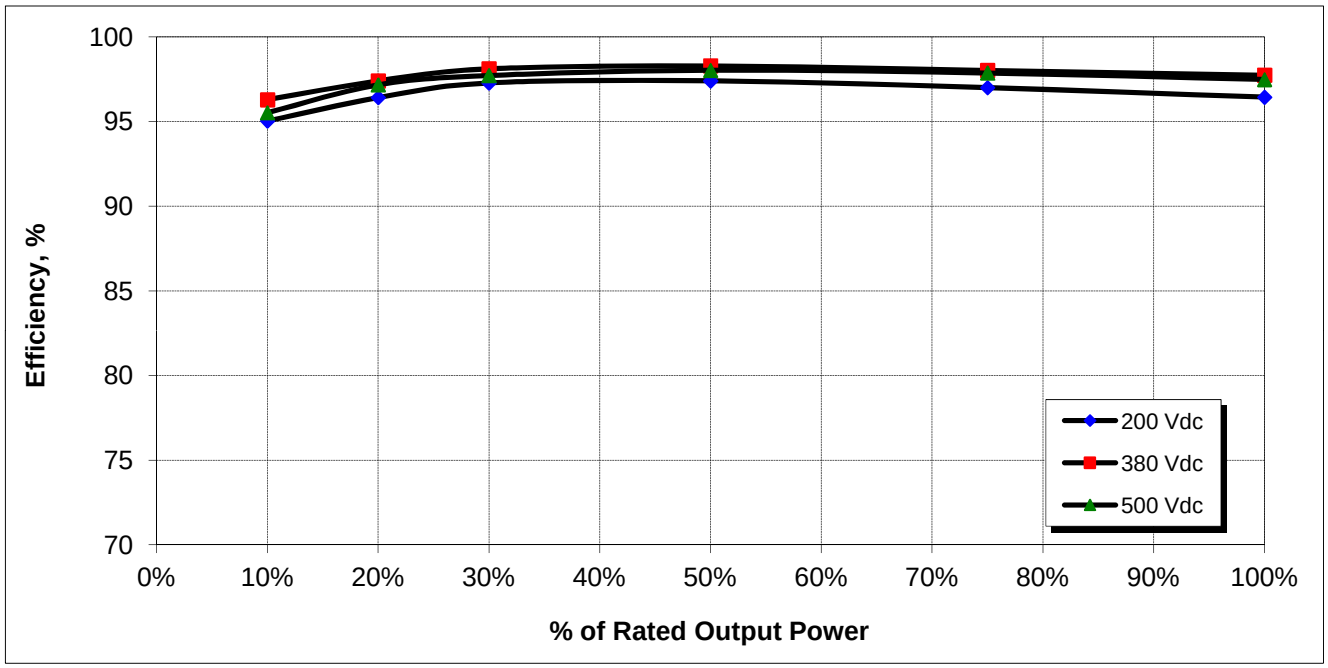
Model #: SOLIVIA 7.6 NA G4 TL (240V)

Rated Maximum Continuous Output Power: 7.60 kW Night Tare Loss: 1.43 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.76	1.52	2.28	3.80	5.70	7.60	Wtd
Vmin	200	95.0	96.4	97.3	97.4	97.0	96.4	97.0
Vnom	380	96.3	97.4	98.1	98.3	98.0	97.7	98.0
Vmax	500	95.5	97.2	97.7	98.0	97.9	97.5	97.7

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	749.93	201.1	95.046	749.6	201.09	95.046	749.1	201.1	95.048	748.9	201.1	95.046	748.2	201.1	95.027
20%	Vmin	1580	202	96.417	1580	202	96.416	1580	202	96.409	1580	202	96.417	1580	201.99	96.413
30%	Vmin	2302.2	201.92	97.279	2301	201.93	97.280	2300	201.93	97.278	2299	201.93	97.276	2300	201.93	97.275
50%	Vmin	3803.5	201.6	97.399	3803	201.59	97.397	3803	201.6	97.399	3803	201.6	97.400	3802	201.59	97.400
75%	Vmin	5708.7	201.3	97.002	5707	201.29	97.003	5708	201.31	97.007	5707	201.29	97.008	5707	201.3	97.010
100%	Vmin	7608.7	200.95	96.442	7609	200.93	96.442	7609	200.95	96.433	7608	200.95	96.434	7610	200.95	96.436
10%	Vnom	753.78	380.03	96.315	754	380.04	96.291	753.5	380.03	96.298	754	380.04	96.290	753.6	380.03	96.293
20%	Vnom	1532.1	379.99	97.408	1532	379.98	97.397	1533	379.99	97.381	1533	379.99	97.403	1533	379.99	97.409
30%	Vnom	2278.6	380.09	98.110	2280	380.08	98.117	2280	380.08	98.120	2279	380.08	98.114	2281	380.09	98.105
50%	Vnom	3828.6	380.13	98.287	3833	380.13	98.286	3825	380.13	98.284	3829	380.14	98.288	3830	380.13	98.287
75%	Vnom	5692.4	380.07	98.015	5698	380.07	98.015	5682	380.08	98.019	5695	380.08	98.019	5698	380.07	98.017
100%	Vnom	7634.8	380.08	97.743	7622	380.09	97.744	7635	380.07	97.742	7635	380.08	97.741	7635	380.08	97.739
10%	Vmax	741.72	499.65	95.555	741.7	499.65	95.546	742.7	499.65	95.495	742.7	499.65	95.523	742.8	499.65	95.516
20%	Vmax	1578.7	499.39	97.160	1579	499.39	97.169	1579	499.39	97.158	1578	499.39	97.179	1579	499.39	97.161
30%	Vmax	2304.2	499.6	97.720	2305	499.6	97.720	2304	499.59	97.708	2303	499.59	97.709	2305	499.59	97.707
50%	Vmax	3821.5	499.71	98.024	3820	499.71	98.025	3822	499.71	98.018	3822	499.71	98.027	3822	499.71	98.027
75%	Vmax	5682	499.61	97.868	5682	499.61	97.869	5683	499.6	97.870	5681	499.61	97.869	5681	499.61	97.873
100%	Vmax	7625.1	499.11	97.475	7622	499.12	97.478	7620	499.12	97.479	7623	499.1	97.478	7622	499.13	97.481

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	747.78	201.1	95.030	747.6	201.1	95.021									
20%	Vmin	1579.6	202	96.410	1580	202	96.413									
30%	Vmin	2299.7	201.92	97.279	2301	201.92	97.278									
50%	Vmin	3802.4	201.6	97.401	3802	201.59	97.402									
75%	Vmin	5707.5	201.31	97.013	5706	201.29	97.013									
100%	Vmin	7609.7	200.96	96.443	7610	200.97	96.440									
10%	Vnom	753	380.02	96.282	753.6	380.03	96.285									
20%	Vnom	1532.8	379.99	97.398	1533	379.98	97.402									
30%	Vnom	2278.8	380.08	98.111	2279	380.08	98.122									
50%	Vnom	3828	380.14	98.290	3830	380.13	98.290									
75%	Vnom	5682	380.09	98.020	5695	380.07	98.020									
100%	Vnom	7632.7	380.08	97.742	7634	380.08	97.745									
10%	Vmax	742.81	499.64	95.515	742.8	499.65	95.483									
20%	Vmax	1579.4	499.39	97.166	1579	499.39	97.158									
30%	Vmax	2306.1	499.59	97.714	2305	499.59	97.716									
50%	Vmax	3823.8	499.71	98.024	3823	499.71	98.024									
75%	Vmax	5681.3	499.6	97.870	5681	499.61	97.870									
100%	Vmax	7621.4	499.13	97.476	7624	499.11	97.480									