Manufacturer: Delta Electronics, Inc

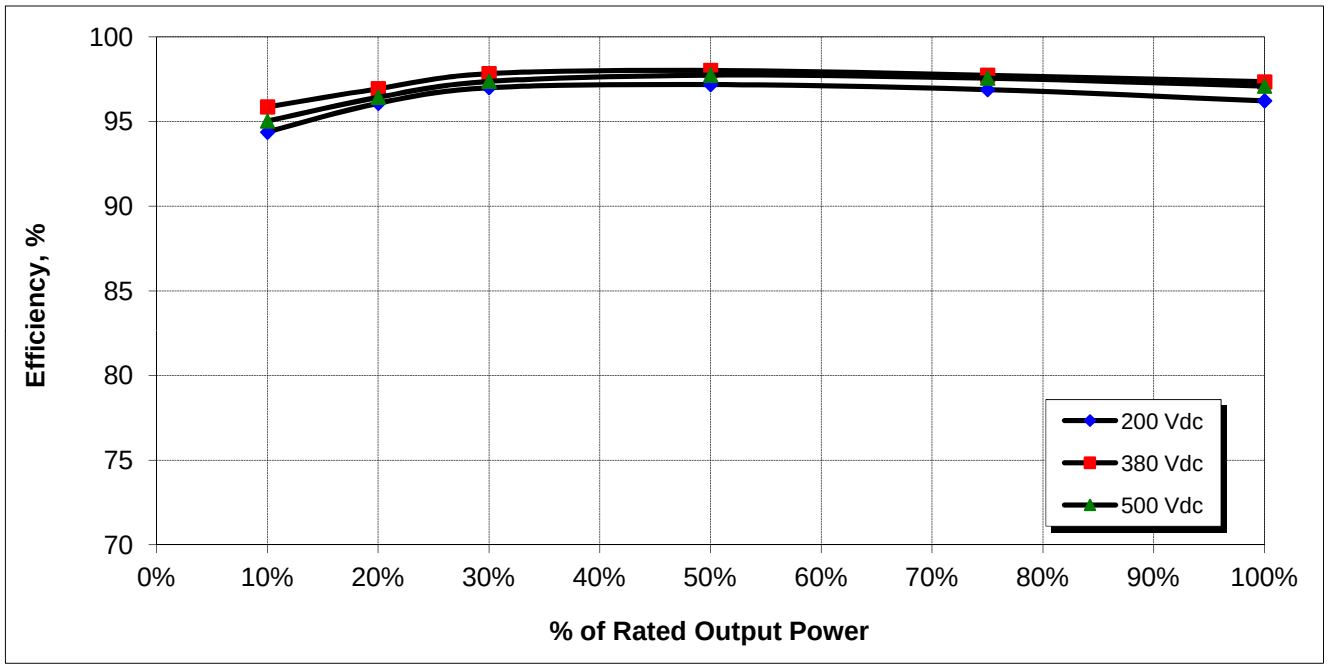
Model #: SOLIVIA 6.6 NA G4 TL (208V)

Rated Maximum Continuous Output Power: 6.60 kW Night Tare Loss: 1.23 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.66	1.32	1.98	3.30	4.95	6.60	Wtd
Vmin	200	94.4	96.1	97.0	97.2	96.9	96.2	96.8
Vnom	380	95.9	96.9	97.8	98.0	97.7	97.3	97.7
Vmax	500	95.0	96.4	97.4	97.7	97.6	97.1	97.4

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	654.74	200.08	94.383	655	200.07	94.383	655	200.07	94.372	655.1	200.07	94.373	655	200.07	94.376
20%	Vmin	1393.2	200.99	96.070	1393	200.99	96.072	1393	200.99	96.078	1393	200.99	96.089	1393	200.99	96.073
30%	Vmin	2008.5	200.91	96.998	2008	200.91	97.005	2008	200.9	97.003	2008	200.9	97.005	2007	200.9	97.003
50%	Vmin	3361.5	200.6	97.194	3361	200.6	97.189	3361	200.6	97.193	3361	200.59	97.191	3360	200.6	97.186
75%	Vmin	4959.9	200.38	96.884	4959	200.37	96.883	4959	200.37	96.884	4959	200.37	96.891	4959	200.37	96.890
100%	Vmin	6659.5	200.75	96.351	6660	200.76	96.368	6647	200.77	96.390	6614	200.8	96.293	6606	200.79	96.116
10%	Vnom	650.42	380.03	95.846	649.9	380.04	95.840	650.5	380.03	95.869	653.1	380.03	95.826	655.8	380.03	95.881
20%	Vnom	1390.6	379.87	96.942	1393	379.87	96.929	1392	379.86	96.948	1388	379.87	96.938	1381	379.86	96.939
30%	Vnom	2073	379.99	97.831	2064	380	97.828	2061	379.99	97.832	2061	379.99	97.833	2069	379.99	97.829
50%	Vnom	3398.3	380.01	98.020	3415	380.02	98.015	3425	380.02	98.018	3424	380.02	98.017	3420	380.02	98.021
75%	Vnom	4946	379.95	97.732	4941	379.95	97.738	4954	379.95	97.734	4969	379.95	97.733	4980	379.94	97.737
100%	Vnom	6646.2	380.81	97.348	6662	380.81	97.348	6664	380.81	97.345	6655	380.8	97.345	6635	380.8	97.347
10%	Vmax	652.63	499.57	95.047	655.4	499.57	95.049	656.8	499.57	95.073	656.3	499.57	95.029	651.1	499.56	95.051
20%	Vmax	1373.7	499.3	96.428	1374	499.31	96.452	1379	499.32	96.422	1386	499.31	96.448	1387	499.31	96.420
30%	Vmax	2057.7	499.45	97.369	2053	499.45	97.376	2054	499.45	97.361	2062	499.46	97.375	2069	499.46	97.376
50%	Vmax	3369.3	499.54	97.741	3357	499.54	97.744	3348	499.53	97.744	3349	499.53	97.747	3359	499.54	97.744
75%	Vmax	4892.5	499.47	97.570	4888	499.46	97.568	4866	499.46	97.568	4850	499.45	97.572	4855	499.46	97.561
100%	Vmax	6680.5	499.32	97.085	6657	499.32	97.097	6625	499.32	97.108	6659	499.31	97.099	6651	499.31	97.092

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	654.75	200.08	94.376	654.5	200.08	94.385									
20%	Vmin	1393.2	200.99	96.092	1392	200.99	96.076									
30%	Vmin	2007.6	200.9	96.987	2007	200.9	96.994									
50%	Vmin	3360.1	200.59	97.193	3360	200.6	97.194									
75%	Vmin	4958.5	200.37	96.890	4959	200.37	96.894									
100%	Vmin	6612	200.77	95.987	6632	200.75	96.081									
10%	Vnom	655.87	380.03	95.883	654.8	380.03	95.892									
20%	Vnom	1380.6	379.86	96.947	1383	379.86	96.949									
30%	Vnom	2078.9	380.01	97.829	2080	380.01	97.835									
50%	Vnom	3405.4	380.02	98.025	3395	380.02	98.030									
75%	Vnom	4982.8	379.95	97.736	4976	379.95	97.733									
100%	Vnom	6610.8	380.8	97.354	6603	380.8	97.352									
10%	Vmax	651.68	499.57	95.000	651.1	499.56	95.007									
20%	Vmax	1379.1	499.31	96.442	1379	499.31	96.432									
30%	Vmax	2070.9	499.47	97.376	2069	499.46	97.374									
50%	Vmax	3373.9	499.54	97.747	3378	499.54	97.753									
75%	Vmax	4866.5	499.47	97.564	4885	499.46	97.572									
100%	Vmax	6637.3	499.32	97.098	6677	499.32	97.096									