Manufacturer: Delta Electronics Inc

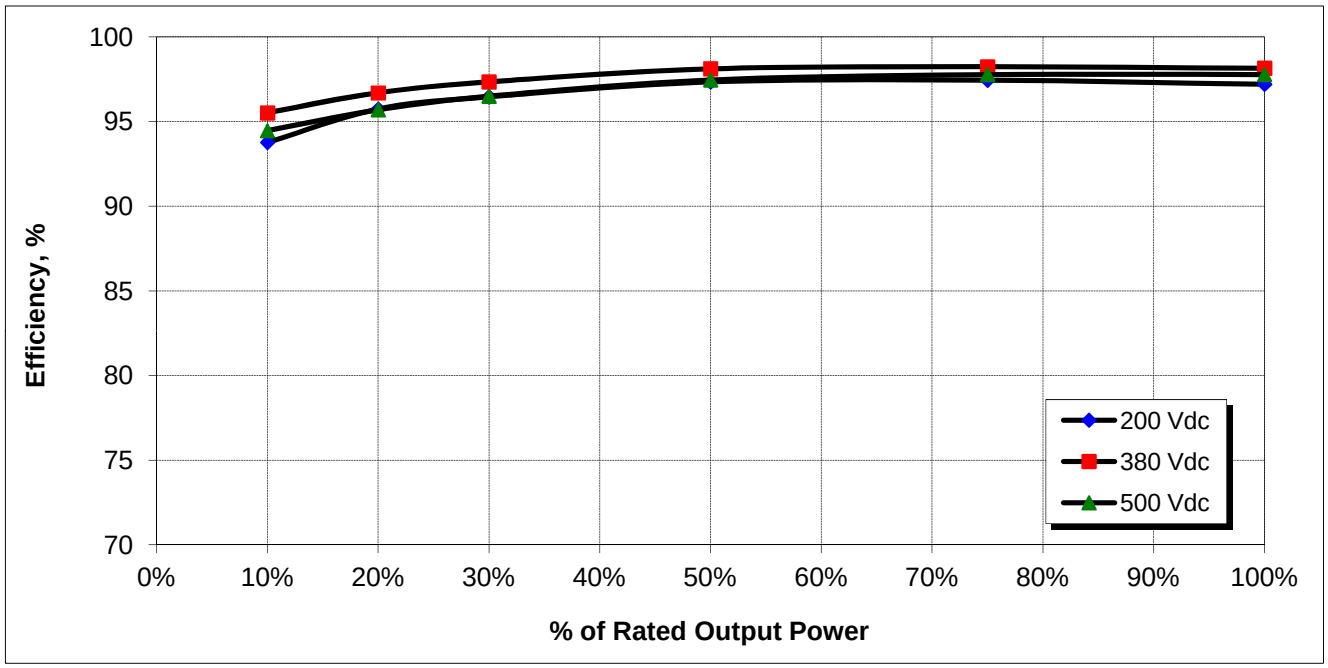
Model #: SOLIVIA 3.0 NA G4 TL 240V

Rated Maximum Continuous Output Power: 3.05 kW Night Tare Loss: 1.18 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.61	0.91	1.52	2.29	3.05	Wtd
Vmin	200	93.8	95.7	96.5	97.3	97.4	97.2	97.1
Vnom	380	95.5	96.7	97.3	98.1	98.2	98.1	97.9
Vmax	500	94.5	95.7	96.5	97.5	97.8	97.8	97.3

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	321.3	200.6	93.780	321.2	200.6	93.778	321.2	200.6	93.760	321.3	200.6	93.775	321.4	200.6	93.751
20%	Vmin	634.0	200.4	95.736	633.9	200.4	95.738	634.1	200.4	95.739	634.0	200.4	95.738	633.8	200.4	95.748
30%	Vmin	934.0	200.2	96.467	934.0	200.2	96.459	933.8	200.2	96.457	934.0	200.2	96.462	934.0	200.2	96.469
50%	Vmin	1560.8	200.7	97.349	1560.7	200.7	97.350	1560.7	200.7	97.345	1560.8	200.7	97.347	1560.9	200.7	97.347
75%	Vmin	2263.1	200.3	97.450	2263.2	200.3	97.448	2263.8	200.3	97.448	2263.2	200.3	97.448	2263.1	200.3	97.448
100%	Vmin	3056.0	200.8	97.204	3058.2	200.8	97.204	3057.7	200.8	97.205	3055.8	200.8	97.203	3057.2	200.8	97.207
10%	Vnom	326.0	380.2	95.493	326.1	380.2	95.470	326.0	380.3	95.528	325.9	380.3	95.520	325.9	380.3	95.576
20%	Vnom	631.4	380.5	96.715	631.1	380.5	96.677	631.1	380.5	96.682	631.4	380.5	96.691	631.4	380.5	96.692
30%	Vnom	937.0	380.7	97.338	937.6	380.7	97.329	937.3	380.7	97.346	937.8	380.7	97.329	938.0	380.7	97.356
50%	Vnom	1539.8	380.3	98.111	1540.2	380.3	98.113	1540.6	380.3	98.117	1540.9	380.3	98.116	1540.9	380.3	98.115
75%	Vnom	2284.9	380.8	98.233	2285.6	380.8	98.233	2284.2	380.8	98.241	2283.5	380.8	98.232	2283.9	380.8	98.235
100%	Vnom	3053.8	380.8	98.153	3052.2	380.8	98.150	3051.5	380.8	98.148	3050.7	380.9	98.142	3051.9	380.8	98.148
10%	Vmax	317.3	500.5	94.461	317.4	500.5	94.486	317.1	500.5	94.453	317.2	500.5	94.447	317.2	500.5	94.487
20%	Vmax	638.9	500.5	95.692	639.3	500.5	95.706	639.1	500.5	95.684	638.7	500.5	95.686	638.4	500.5	95.685
30%	Vmax	924.6	500.5	96.506	924.9	500.5	96.473	924.7	500.5	96.493	924.8	500.5	96.492	925.4	500.5	96.497
50%	Vmax	1527.3	500.6	97.464	1527.3	500.6	97.465	1528.2	500.6	97.446	1527.9	500.6	97.466	1527.7	500.6	97.457
75%	Vmax	2262.1	500.3	97.787	2261.6	500.3	97.785	2261.5	500.3	97.787	2262.2	500.3	97.788	2262.8	500.3	97.770
100%	Vmax	3037.5	500.4	97.785	3038.8	500.4	97.790	3040.0	500.4	97.784	3041.2	500.4	97.779	3040.3	500.4	97.786

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	321.5	200.6	93.761	321.5	200.6	93.763									
20%	Vmin	633.9	200.4	95.748	633.8	200.4	95.755									
30%	Vmin	934.0	200.2	96.466	933.7	200.2	96.469									
50%	Vmin	1561.1	200.7	97.347	1561.2	200.7	97.346									
75%	Vmin	2263.2	200.3	97.445	2263.4	200.3	97.446									
100%	Vmin	3057.2	200.8	97.207	3057.0	200.8	97.209									
10%	Vnom	325.9	380.3	95.512	325.9	380.3	95.479									
20%	Vnom	631.6	380.5	96.702	631.6	380.5	96.680									
30%	Vnom	937.8	380.7	97.345	937.7	380.7	97.306									
50%	Vnom	1540.7	380.3	98.108	1540.7	380.3	98.104									
75%	Vnom	2284.5	380.8	98.234	2285.6	380.8	98.235									
100%	Vnom	3052.3	380.8	98.146	3052.8	380.8	98.148									
10%	Vmax	317.6	500.5	94.456	317.7	500.5	94.462									
20%	Vmax	638.9	500.5	95.714	638.9	500.5	95.713									
30%	Vmax	925.5	500.5	96.503	925.3	500.5	96.536									
50%	Vmax	1527.3	500.6	97.452	1527.7	500.6	97.446									
75%	Vmax	2262.8	500.3	97.774	2263.8	500.3	97.769									
100%	Vmax	3038.3	500.4	97.778	3037.5	500.4	97.784									