Manufacturer: Delta Energy Systems (Germany) GmbH

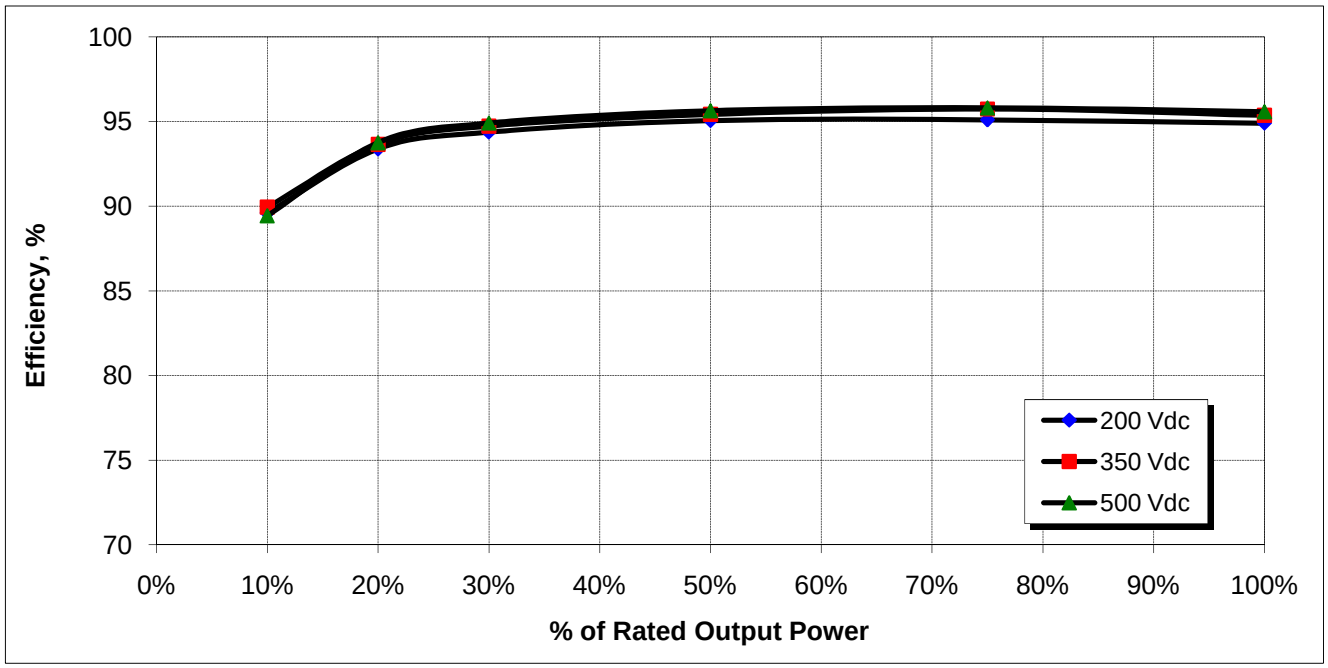
Model #: Delta SOLIVIA3.3NAG4TR

Rated Maximum Continuous Output Power: 3.33 kW Night Tare Loss: -0.33 W

Vmin: 200 Vdc Vnom: 350 Vdc Vmax: 500 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.33	0.67	1.00	1.66	2.49	3.33	Wtd
Vmin	200	89.6	93.4	94.4	95.1	95.1	94.9	94.7
Vnom	350	89.9	93.7	94.7	95.4	95.7	95.4	95.2
Vmax	500	89.4	93.8	94.9	95.6	95.8	95.6	95.3

CEC Efficiency = 95.0%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	293.15	201.02	89.695	292.5	201.02	89.5	292.5	201.02	89.472	293.1	201.02	89.657	293.1	201.02	89.681
20%	Vmin	667.17	201.05	93.309	667.4	201.05	93.33	667.8	201.06	93.389	668.6	201.06	93.506	667.9	201.06	93.398
30%	Vmin	998.67	200.71	94.296	998.6	200.71	94.286	1000	200.71	94.453	999.9	200.71	94.411	1000	200.71	94.43
50%	Vmin	1685.4	200.67	95.175	1684	200.68	95.066	1684	200.69	95.101	1683	200.69	95.025	1681	200.69	94.954
75%	Vmin	2503.3	200.35	95.145	2504	200.35	95.17	2502	200.36	95.081	2501	200.36	95.044	2501	200.36	95.077
100%	Vmin	3342.8	200.11	94.977	3339	200.01	94.918	3340	200.02	94.949	3337	200.02	94.861	3335	200.02	94.817
10%	Vnom	297.49	350.75	89.728	298.1	350.75	89.891	298.2	350.75	89.952	298.4	350.75	89.976	299.1	350.75	90.196
20%	Vnom	665.51	350.64	93.541	666.3	350.64	93.64	665.8	350.63	93.573	666.9	350.63	93.71	667.4	350.64	93.798
30%	Vnom	1004.5	350.54	94.822	1004	350.54	94.803	1003	350.55	94.653	1003	350.55	94.645	1003	350.54	94.728
50%	Vnom	1686.9	350.38	95.505	1684	350.39	95.321	1685	350.39	95.403	1684	350.39	95.371	1687	350.39	95.503
75%	Vnom	2503.2	350.19	95.803	2502	350.2	95.756	2502	350.2	95.761	2500	350.2	95.69	2499	350.2	95.669
100%	Vnom	3351.8	350.02	95.404	3351	350.03	95.393	3351	350.03	95.381	3350	350.03	95.373	3347	350.04	95.268
10%	Vmax	271.29	500.75	89.388	272	500.76	89.639	271.8	500.77	89.514	271.4	500.77	89.394	271	500.76	89.265
20%	Vmax	672.33	500.39	93.63	672.9	500.38	93.729	672.4	500.38	93.655	673.4	500.38	93.812	674.4	500.38	93.935
30%	Vmax	1030.1	500.52	94.989	1030	500.51	94.937	1030	500.5	94.966	1030	500.5	94.926	1028	500.5	94.739
50%	Vmax	1693.3	500.62	95.586	1693	500.61	95.573	1695	500.6	95.649	1696	500.6	95.72	1696	500.6	95.697
75%	Vmax	2520	500.28	95.743	2521	500.27	95.753	2522	500.27	95.787	2526	500.27	95.92	2524	500.26	95.872
100%	Vmax	3339.4	500.41	95.512	3343	500.41	95.598	3344	500.41	95.635	3345	500.41	95.653	3340	500.41	95.533

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															