Manufacturer: Delta Energy Systems (Germany) GmbH

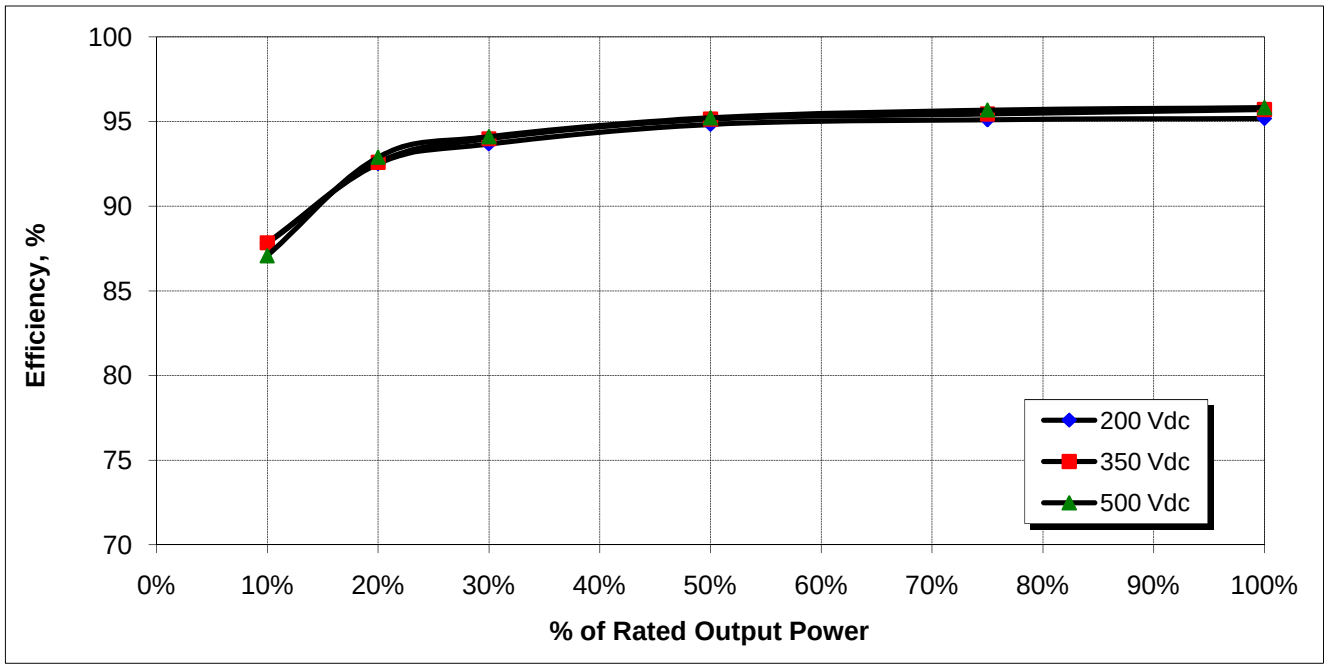
Model #: Delta SOLIVIA2.5NAG4TR

Rated Maximum Continuous Output Power: 2.55 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)		0.26	0.51	0.77	1.28	1.92	2.55	Wtd
Vmin	200	87.8	92.5	93.7	94.8	95.1	95.2	94.5
Vnom	350	87.8	92.6	94.0	95.1	95.4	95.7	94.8
Vmax	500	87.1	92.9	94.1	95.2	95.7	95.8	94.9

CEC Efficiency = 94.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	225.42	201.04	87.857	225.9	201.04	88.014	225.3	201.04	87.8	225.2	201.04	87.782	224.6	201.04	87.536
20%	Vmin	485.62	200.93	92.48	485.4	200.93	92.439	485.3	200.93	92.43	486.3	200.93	92.621	486.1	200.93	92.569
30%	Vmin	746.48	200.81	93.813	745	200.81	93.609	745.2	200.81	93.639	745.1	200.81	93.619	745.6	200.81	93.686
50%	Vmin	1255.4	200.61	94.927	1254	200.61	94.849	1255	200.61	94.89	1253	200.61	94.734	1253	200.61	94.741
75%	Vmin	1851.9	200.4	94.995	1855	200.4	95.146	1855	200.4	95.145	1855	200.41	95.138	1854	200.41	95.119
100%	Vmin	2518.2	200.13	95.175	2519	200.14	95.214	2520	200.14	95.248	2518	200.15	95.152	2516	200.15	95.11
10%	Vnom	217	350.75	87.636	218	350.75	87.745	218	350.75	87.858	218	350.75	87.867	218	350.75	88.081
20%	Vnom	487.07	350.67	92.672	487.3	350.67	92.712	486.4	350.67	92.541	485.8	350.67	92.443	486.6	350.67	92.563
30%	Vnom	757.81	350.6	94.09	757.2	350.6	94.006	757.9	350.6	94.074	756.2	350.61	93.88	756	350.6	93.864
50%	Vnom	1260.5	350.48	95.246	1259	350.48	95.142	1259	350.48	95.077	1259	350.48	95.127	1259	350.48	95.101
75%	Vnom	1903.6	350.33	95.502	1904	350.34	95.504	1902	350.34	95.447	1900	350.34	95.34	1902	350.34	95.415
100%	Vnom	2511.6	350.2	95.785	2510	350.2	95.739	2510	350.2	95.732	2507	350.21	95.611	2509	350.2	95.674
10%	Vmax	200.1	500.75	86.954	199.7	500.74	86.785	200.6	500.74	87.18	200.5	500.73	87.127	200.9	500.74	87.29
20%	Vmax	530.36	500.4	92.967	530.3	500.4	92.924	529.2	500.39	92.758	530	500.39	92.879	530	500.38	92.895
30%	Vmax	744.77	500.37	94.158	744.8	500.37	94.152	744.8	500.37	94.136	744.7	500.37	94.107	743.5	500.36	93.957
50%	Vmax	1269.1	500.28	95.315	1267	500.27	95.19	1267	500.27	95.177	1268	500.27	95.194	1268	500.27	95.205
75%	Vmax	1903.1	500.2	95.74	1901	500.19	95.632	1902	500.18	95.685	1901	500.18	95.645	1902	500.17	95.652
100%	Vmax	2522.2	500.07	95.892	2522	500.06	95.873	2520	500.07	95.828	2518	500.07	95.747	2518	500.07	95.749

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															