Manufacturer: Delta Energy Systems (Germany) GmbH

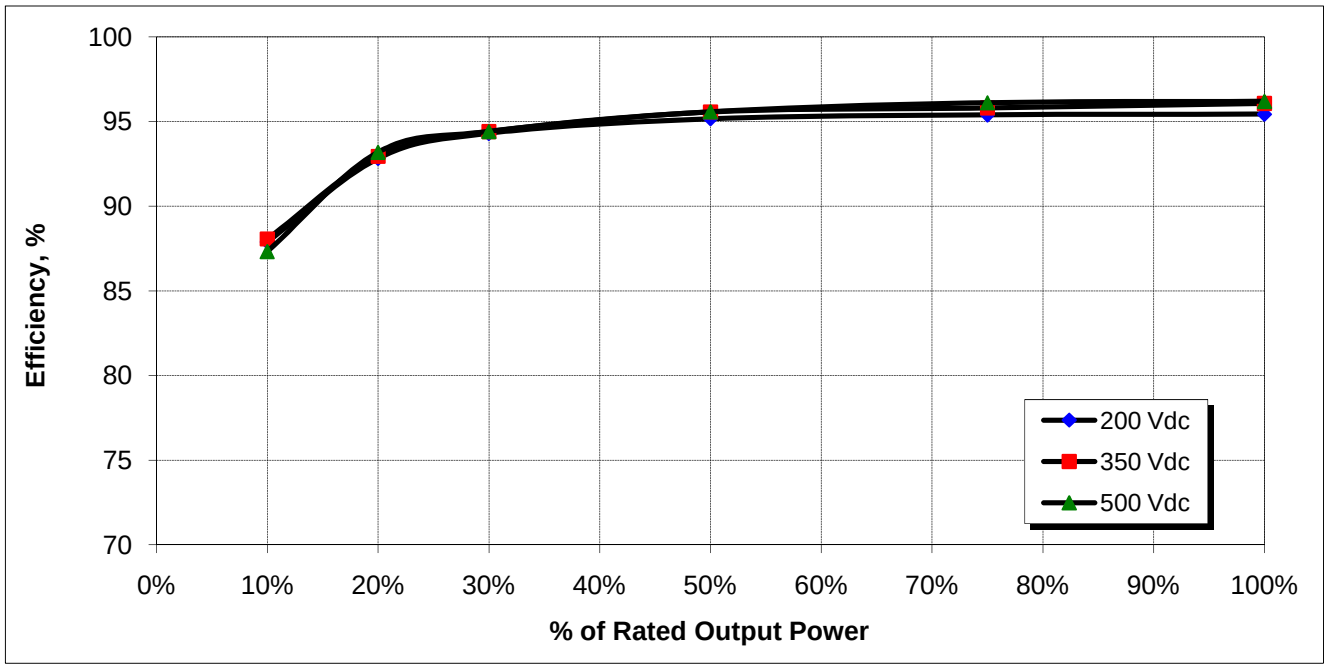
Model #: Delta SOLIVIA2.5NAG4TR

Rated Maximum Continuous Output Power: 2.53 kW Night Tare Loss: -0.44 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.25	0.51	0.76	1.26	1.89	2.53	Wtd
Vmin	200	87.9	92.8	94.3	95.2	95.4	95.4	94.8
Vnom	350	88.1	92.9	94.4	95.6	95.8	96.1	95.1
Vmax	500	87.3	93.2	94.4	95.6	96.1	96.2	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	225	201.05	87.702	225.2	201.05	87.765	225.8	201.05	88.015	225.7	201.05	87.94	225.8	201.05	87.993
20%	Vmin	492.33	200.93	92.679	492.9	200.94	92.777	492.7	200.94	92.743	493.9	200.94	92.962	493.6	200.94	92.908
30%	Vmin	754	200.82	94.38	754	200.82	94.34	754	200.82	94.37	752	200.82	94.17	753	200.82	94.23
50%	Vmin	1257.1	200.63	95.075	1257	200.63	95.1	1258	200.63	95.153	1258	200.63	95.167	1260	200.63	95.291
75%	Vmin	1859	200.4	95.383	1858	200.41	95.334	1859	200.41	95.398	1859	200.42	95.351	1861	200.42	95.483
100%	Vmin	2525.6	200.14	95.468	2526	200.15	95.477	2525	200.15	95.432	2523	200.15	95.362	2524	200.15	95.42
10%	Vnom	218.4	350.77	88.078	219	350.77	88.336	218.2	350.76	88.039	218.3	350.76	88.069	217.6	350.76	87.787
20%	Vnom	488.12	350.68	92.865	488	350.68	92.811	489.1	350.68	93.049	489.1	350.68	93.047	488.5	350.68	92.939
30%	Vnom	759.48	350.62	94.299	759.9	350.62	94.334	761.3	350.62	94.51	760.7	350.63	94.43	760.8	350.63	94.449
50%	Vnom	1264.2	350.51	95.508	1264	350.51	95.462	1266	350.51	95.617	1266	350.52	95.633	1266	350.52	95.632
75%	Vnom	1910.5	350.35	95.844	1911	350.35	95.86	1910	350.35	95.815	1910	350.36	95.833	1907	350.35	95.683
100%	Vnom	2517.1	350.21	96.001	2518	350.22	96.045	2521	350.22	96.137	2519	350.22	96.078	2520	350.22	96.103
10%	Vmax	200.54	500.8	87.116	200.8	500.8	87.301	201.6	500.79	87.57	201.1	500.8	87.338	201	500.8	87.271
20%	Vmax	517.39	500.45	93.102	517.3	500.44	93.079	518.1	500.44	93.221	518.9	500.44	93.329	518	500.43	93.177
30%	Vmax	747.39	500.39	94.498	747.3	500.38	94.463	745.8	500.37	94.277	746.8	500.37	94.413	746.7	500.37	94.392
50%	Vmax	1274	500.32	95.666	1271	500.31	95.493	1273	500.31	95.567	1273	500.3	95.562	1273	500.3	95.556
75%	Vmax	1909.1	500.21	96.068	1912	500.2	96.165	1911	500.2	96.127	1912	500.2	96.147	1909	500.2	96.028
100%	Vmax	2530.3	500.09	96.207	2532	500.09	96.25	2528	500.09	96.115	2528	500.09	96.136	2531	500.09	96.231

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															