Manufacturer: Delta Energy Systems (Germany) GmbH

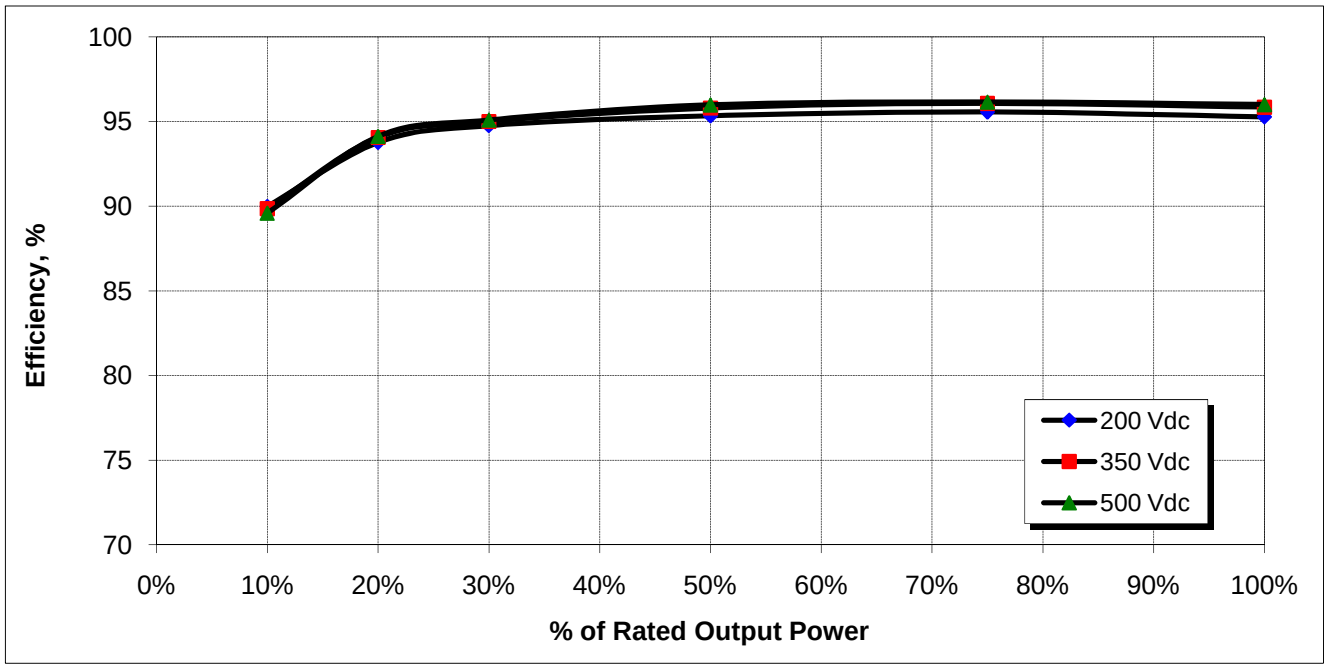
Model #: Delta SOLIVIA3.3NAG4TR

Rated Maximum Continuous Output Power: 3.34 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)		0.33	0.67	1.00	1.67	2.50	3.34	Wtd
Vmin	200	90.0	93.8	94.8	95.3	95.6	95.3	95.1
Vnom	350	89.8	94.1	95.0	95.8	96.1	95.8	95.5
Vmax	500	89.6	94.1	95.1	96.0	96.2	96.0	95.6

CEC Efficiency = 95.5%



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	299.56	201.01	89.999	299.3	201.01	89.924	299.4	201.01	89.934	299.4	201.02	89.954	300	201.01	90.126
20%	Vmin	662.82	200.85	93.57	664.4	200.85	93.787	664.9	200.85	93.852	664.8	200.85	93.849	664.2	200.85	93.761
30%	Vmin	1014.1	200.7	94.716	1014	200.7	94.679	1015	200.7	94.806	1015	200.71	94.834	1015	200.71	94.765
50%	Vmin	1699.6	200.47	95.42	1698	200.47	95.314	1697	200.48	95.295	1698	200.48	95.344	1698	200.48	95.323
75%	Vmin	2510.5	200.14	95.506	2514	200.15	95.636	2512	200.15	95.567	2513	200.16	95.599	2511	200.16	95.524
100%	Vmin	3333.4	198.8	95.336	3329	198.8	95.222	3331	198.8	95.274	3330	198.81	95.249	3352	200.04	95.297
10%	Vnom	289.99	350.75	90.045	289.5	350.75	89.894	288.7	350.75	89.655	289.2	350.75	89.785	289.3	350.75	89.857
20%	Vnom	647.98	350.63	93.969	648.1	350.63	93.995	648.9	350.63	94.112	648.8	350.63	94.103	648.7	350.63	94.087
30%	Vnom	979.66	350.55	95.06	980.3	350.55	95.108	978.6	350.55	94.941	978.2	350.55	94.915	978.8	350.56	94.976
50%	Vnom	1661.5	350.41	95.744	1661	350.41	95.707	1663	350.41	95.86	1663	350.41	95.845	1663	350.41	95.824
75%	Vnom	2499.7	350.21	96.034	2499	350.21	96.005	2501	350.22	96.092	2502	350.22	96.131	2501	350.21	96.1
100%	Vnom	3327.7	349.24	95.777	3331	349.24	95.877	3330	349.25	95.857	3331	349.25	95.876	3336	349.86	95.847
10%	Vmax	271.92	500.77	89.576	271.8	500.77	89.522	271.7	500.76	89.529	271.8	500.75	89.58	272.4	500.75	89.737
20%	Vmax	661.26	500.57	94.038	661.2	500.57	94.039	662.2	500.56	94.173	662.6	500.56	94.221	661.9	500.56	94.107
30%	Vmax	976.51	500.53	95.183	976.5	500.53	95.161	975	500.53	95.027	974.9	500.52	95.015	975.2	500.52	95.049
50%	Vmax	1642	500.43	95.931	1645	500.43	96.052	1643	500.43	95.987	1644	500.42	96.012	1642	500.42	95.915
75%	Vmax	2528.8	500.31	96.095	2530	500.29	96.131	2529	500.29	96.103	2533	500.29	96.204	2533	500.29	96.219
100%	Vmax	3352.5	500.13	95.96	3354	500.13	95.988	3356	500.13	96.042	3357	500.13	96.065	3352	500.13	95.945

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															