Manufacturer: Delta Energy Systems GmbH

Model #: Solivia5.0NAG4TR = EOE46010175 (Sno #220175021110000020)

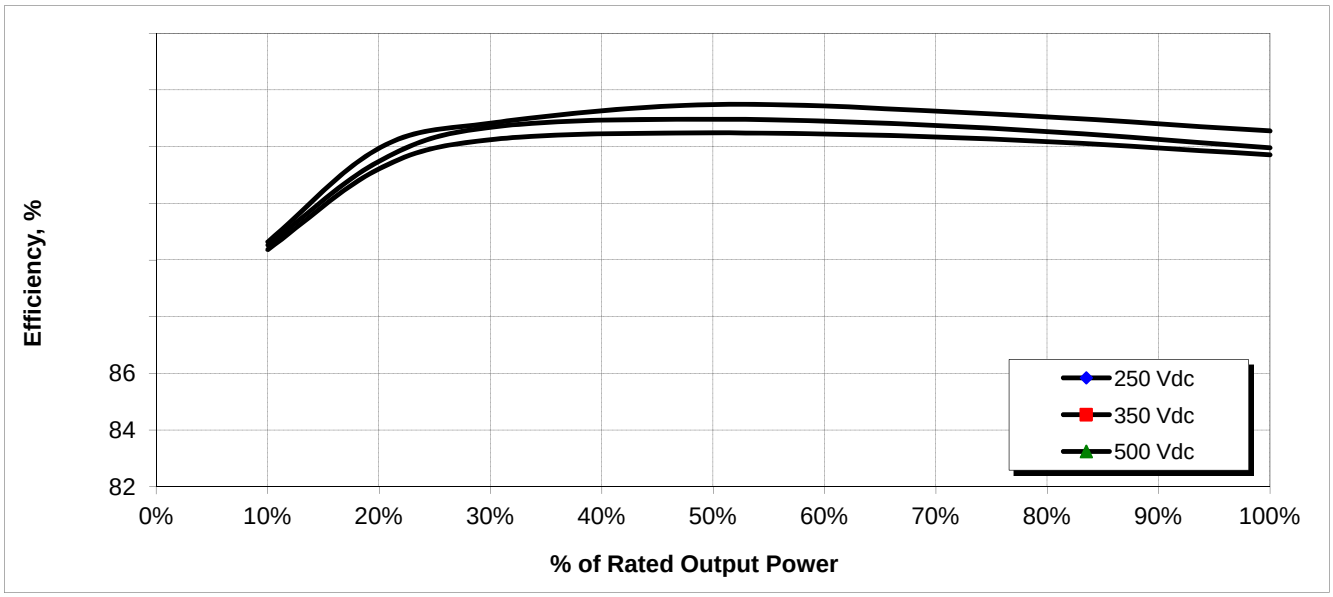
working conditions: 208Vac grid

Rated Maximum Continuous Output Power: 5.084 kW Night Tare Loss: 0.39 W

Vmin: 250 Vdc Vnom: 350 Vdc Vmax: 500 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.51	1.02	1.53	2.54	3.81	5.08	Wtd
Vmin	250	90.37	93.22	94.25	94.49	94.27	93.72	94.08
Vnom	350	90.53	93.49	94.69	94.97	94.66	93.96	94.47
Vmax	500	90.64	93.95	94.83	95.49	95.16	94.56	94.92

CEC Efficiency = 95%



Inverter Efficiency Data

Manufacturer: Delta Energy Systems GmbH
Model #: Solivia5.0NAG4TR = EOE46010175 (Sno #220175021110000020)
working conditions: 208Vac grid

Minimum of 5 samples required

DES-az 13.Jan.2012

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	0.4724	249.58	90.435	0.472	249.58	90.353	0.473	249.58	90.495	0.472	249.58	90.368	0.471	249.58	90.206
20%	Vmin	0.9407	249.49	92.982	0.945	249.48	93.360	0.942	249.48	93.124	0.945	249.48	93.370	0.944	249.48	93.276
30%	Vmin	1.4519	249.4	94.242	1.453	249.4	94.319	1.452	249.4	94.262	1.453	249.4	94.302	1.45	249.4	94.126
50%	Vmin	2.5427	249.17	94.453	2.522	249.18	94.528	2.522	249.18	94.508	2.548	249.17	94.637	2.517	249.18	94.327
75%	Vmin	3.835	248.85	94.278	3.839	248.85	94.370	3.836	248.85	94.296	3.833	248.85	94.241	3.831	248.85	94.186
100%	Vmin	5.0446	248.44	93.722	5.075	248.43	93.713	5.044	248.44	93.726	5.074	248.43	93.714	5.075	248.43	93.712
10%	Vnom	0.4628	349.92	90.488	0.464	349.92	90.643	0.462	349.92	90.403	0.464	349.92	90.672	0.463	349.92	90.436
20%	Vnom	0.9262	349.64	93.504	0.926	349.63	93.509	0.925	349.63	93.420	0.927	349.63	93.515	0.926	349.64	93.509
30%	Vnom	1.5031	349.59	94.684	1.503	349.58	94.666	1.502	349.58	94.578	1.503	349.59	94.672	1.506	349.58	94.854
50%	Vnom	2.5197	349.44	94.975	2.517	349.44	94.875	2.519	349.44	94.940	2.521	349.44	95.001	2.523	349.43	95.083
75%	Vnom	3.8075	349.16	94.685	3.807	349.15	94.639	3.805	349.15	94.615	3.808	349.15	94.627	3.81	349.15	94.717
100%	Vnom	5.0709	348.99	93.957	5.071	348.98	93.956	5.069	348.99	93.944	5.071	348.99	93.989	5.045	348.99	93.975
10%	Vmax	0.4385	500.49	90.833	0.437	500.49	90.511	0.438	500.48	90.731	0.438	500.48	90.583	0.436	500.49	90.538
20%	Vmax	1.0203	500.39	94.299	1.02	500.39	94.641	1.01	500.4	93.928	0.989	500.39	93.116	0.988	500.4	93.768
30%	Vmax	1.4866	500.27	94.729	1.494	500.27	95.196	1.48	500.28	94.826	1.484	500.27	94.837	1.482	500.27	94.580
50%	Vmax	2.5197	500.11	95.266	2.523	500.11	95.490	2.519	500.11	95.454	2.522	500.11	95.544	2.535	500.11	95.702
75%	Vmax	3.8448	500	95.196	3.846	500	95.064	3.854	499.99	95.219	3.845	499.99	95.147	3.846	499.99	95.172
100%	Vmax	5.0466	499.82	94.563	5.042	499.81	94.558	5.042	499.81	94.557	5.046	499.81	94.548	5.042	499.81	94.559