Manufacturer: Danfoss Solar Inverters

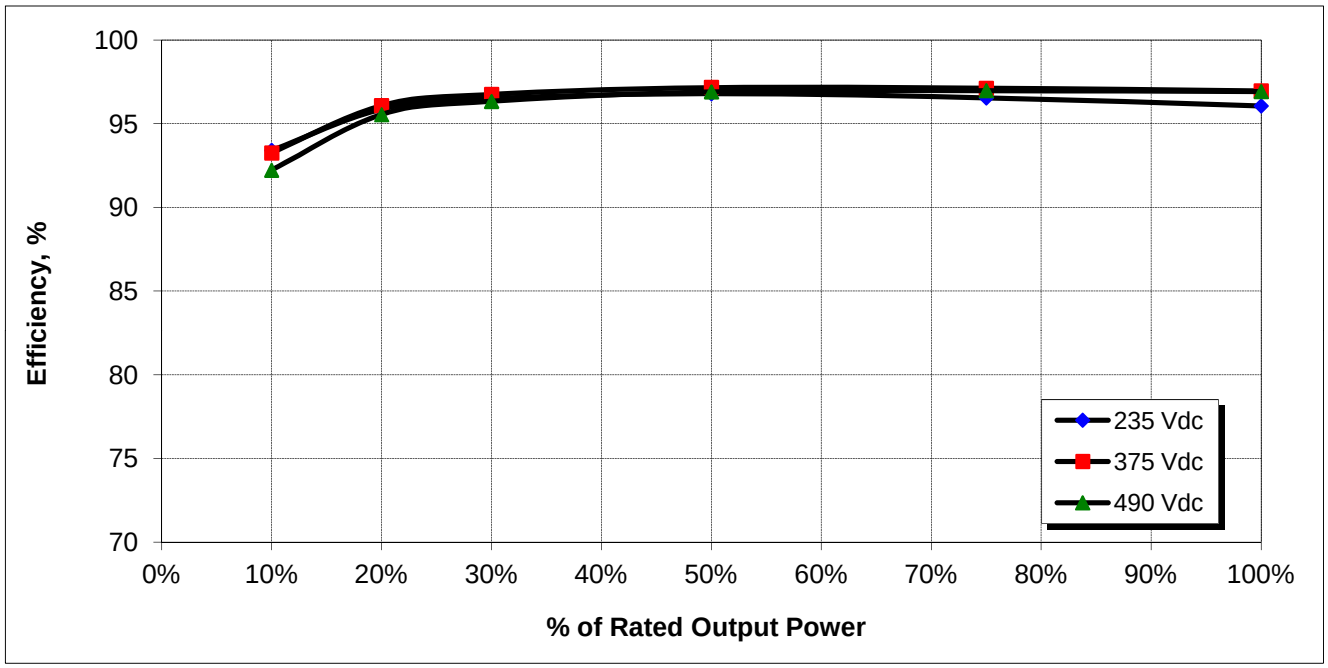
Model #: DLX 2.9 UL

Rated Maximum Continuous Output Power: 2.90 kW Night Tare Loss: -0.98 W

Vmin: 235 Vdc Vnom: 375 Vdc Vmax: 490 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.29	0.58	0.87	1.45	2.18	2.90	Wtd
Vmin	235	93.4	95.9	96.5	96.8	96.5	96.1	96.4
Vnom	375	93.3	96.1	96.8	97.2	97.1	97.0	96.9
Vmax	490	92.2	95.5	96.3	96.9	97.0	96.9	96.6

CEC Efficiency = 96.5%



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)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.2789	234.55	93.256	0.28	234.55	93.424	0.279	234.55	93.425	0.28	234.55	93.408	0.28	234.55	93.514
20%	Vmin	0.6147	234.57	95.909	0.615	234.59	95.864	0.615	234.58	95.903	0.614	234.6	95.759	0.615	234.58	95.867
30%	Vmin	0.9123	234.64	96.425	0.913	234.63	96.549	0.913	234.64	96.486	0.913	234.64	96.488	0.913	234.63	96.525
50%	Vmin	1.5304	234.73	96.778	1.53	234.72	96.778	1.531	234.71	96.822	1.53	234.69	96.807	1.529	234.71	96.755
75%	Vmin	2.1009	234.83	96.538	2.091	234.8	96.566	2.09	234.83	96.526	2.09	234.82	96.513	2.091	234.81	96.552
100%	Vmin	2.8512	234.93	96.074	2.851	234.92	96.062	2.851	234.9	96.079	2.85	234.91	96.034	2.85	234.9	96.057
10%	Vnom	0.2632	374.91	93.227	0.263	374.92	93.235	0.263	374.9	93.286	0.263	374.9	93.214	0.263	374.89	93.341
20%	Vnom	0.6078	374.95	96.061	0.608	374.94	96.072	0.608	374.93	96.11	0.608	374.94	96.074	0.608	374.94	96.057
30%	Vnom	0.9206	374.96	96.762	0.921	374.95	96.791	0.92	374.99	96.704	0.921	374.99	96.789	0.92	374.99	96.71
50%	Vnom	1.5237	374.98	97.139	1.524	374.99	97.139	1.524	374.98	97.166	1.525	374.99	97.195	1.525	374.97	97.193
75%	Vnom	2.1776	375.02	97.119	2.178	375.03	97.119	2.178	375.04	97.106	2.178	375.01	97.121	2.178	375.02	97.124
100%	Vnom	2.8666	375.07	96.96	2.867	375.06	96.987	2.867	375.09	96.971	2.867	375.08	96.963	2.866	375.1	96.927
10%	Vmax	0.2552	489.78	92.268	0.256	489.78	92.399	0.255	489.77	92.126	0.255	489.77	92.289	0.255	489.8	92.064
20%	Vmax	0.629	489.8	95.513	0.629	489.8	95.571	0.629	489.79	95.458	0.629	489.76	95.563	0.63	489.78	95.623
30%	Vmax	0.9204	489.8	96.386	0.92	489.77	96.335	0.92	489.79	96.306	0.92	489.79	96.323	0.92	489.79	96.333
50%	Vmax	1.5657	489.85	96.897	1.566	489.82	96.921	1.566	489.8	96.933	1.565	489.85	96.871	1.566	489.84	96.91
75%	Vmax	2.1364	489.9	96.958	2.137	489.9	96.986	2.136	489.9	96.973	2.137	489.91	96.968	2.136	489.87	96.98
100%	Vmax	2.8955	489.94	96.933	2.895	489.93	96.902	2.896	489.93	96.939	2.895	489.95	96.915	2.895	489.95	96.919

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(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															