Manufacturer: Darfon Electronics Corp

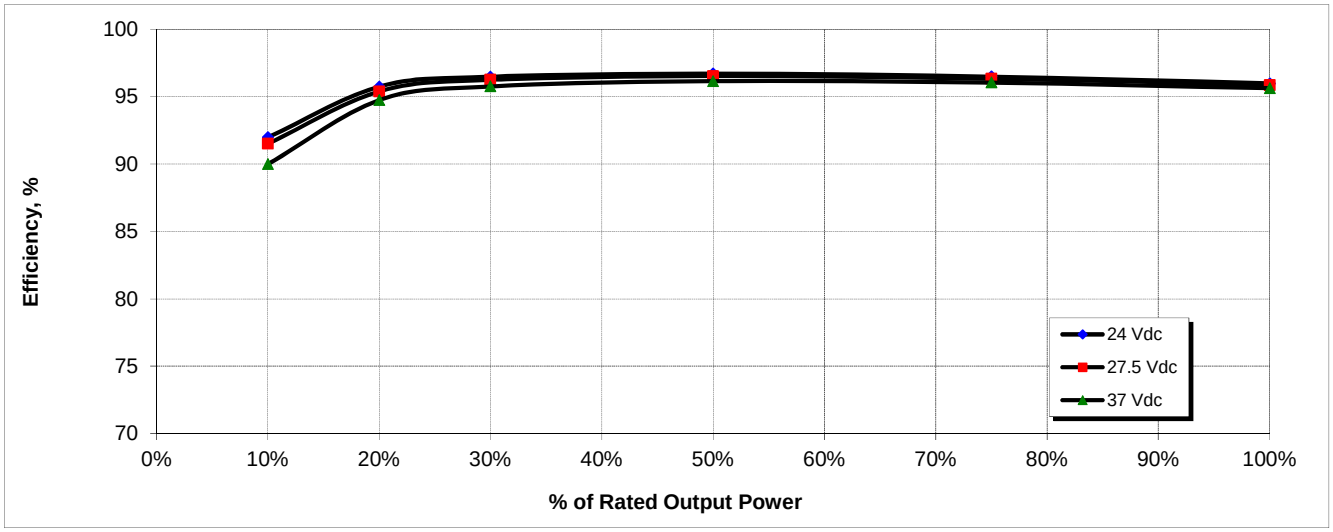
Model #: G32xxxxxx (X=0-9, A-Z or Blank), Output 277 Vac

Rated Maximum Continuous Output Power: 0.305 kW Night Tare Loss: 0.065 W

Vmin: 24 Vdc Vnom: 27.5 Vdc Vmax: 37 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.03	0.06	0.09	0.15	0.23	0.31	Wtd
Vmin	24	92.0	95.7	96.5	96.7	96.5	96.0	96.3
Vnom	27.5	91.5	95.4	96.3	96.5	96.3	95.9	96.1
Vmax	37	90.0	94.7	95.8	96.2	96.0	95.6	95.7

CEC Efficiency = 96.0%



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	0.0293	24.303	92.015	0.0293	24.657	91.963	0.0293	24.465	92.000	0.0293	24.578	91.951	0.0293	24.604	91.980
20%	Vmin	0.0665	23.816	95.731	0.0665	23.796	95.740	0.0665	23.734	95.756	0.0666	23.876	95.734	0.0665	23.805	95.757
30%	Vmin	0.1001	23.874	96.475	0.1001	23.853	96.483	0.1001	23.73	96.503	0.1	23.804	96.480	0.1001	23.817	96.469
50%	Vmin	0.1544	23.698	96.701	0.1544	23.725	96.706	0.1544	23.7	96.706	0.1544	23.785	96.712	0.1544	23.7	96.712
75%	Vmin	0.2158	23.746	96.494	0.2158	23.754	96.495	0.2158	23.758	96.486	0.2158	23.755	96.495	0.2158	23.758	96.492
100%	Vmin	0.2916	24.038	96.003	0.2916	24.051	96.000	0.2916	24.026	95.991	0.2916	24.042	95.985	0.2916	24.04	95.979
10%	Vnom	0.0292	27.262	91.508	0.0292	27.291	91.485	0.0292	27.095	91.549	0.0292	27.129	91.515	0.0292	27.417	91.495
20%	Vnom	0.0665	28.118	95.390	0.0665	28.076	95.394	0.0665	28.148	95.388	0.0665	28.116	95.387	0.0665	28.009	95.384
30%	Vnom	0.1012	28.15	96.254	0.1012	28.071	96.259	0.1012	28.064	96.258	0.1012	28.064	96.260	0.1012	28.094	96.248
50%	Vnom	0.1543	27.954	96.526	0.1543	27.842	96.534	0.1543	27.915	96.533	0.1543	27.969	96.530	0.1543	28.012	96.523
75%	Vnom	0.216	27.941	96.338	0.216	27.887	96.350	0.216	27.846	96.349	0.216	27.866	96.341	0.216	27.8	96.344
100%	Vnom	0.2924	27.635	95.872	0.2925	27.618	95.873	0.2924	27.533	95.879	0.2924	27.535	95.876	0.2924	27.517	95.864
10%	Vmax	0.0287	36.09	89.989	0.0287	36.193	89.990	0.0287	35.864	90.012	0.0287	35.918	90.014	0.0287	36.138	89.966
20%	Vmax	0.0662	36.488	94.746	0.0662	36.552	94.743	0.0662	36.659	94.742	0.0662	36.625	94.737	0.0662	36.573	94.743
30%	Vmax	0.1002	36.741	95.758	0.1002	36.518	95.778	0.1002	36.832	95.765	0.1002	36.676	95.762	0.1003	36.718	95.762
50%	Vmax	0.1538	36.333	96.156	0.1538	36.45	96.160	0.1537	36.241	96.168	0.1538	36.466	96.155	0.1538	36.427	96.150
75%	Vmax	0.2149	36.939	96.034	0.2149	36.898	96.047	0.2149	36.904	96.048	0.2149	36.899	96.041	0.215	36.782	96.048
100%	Vmax	0.291	36.552	95.628	0.291	36.545	95.634	0.291	36.775	95.625	0.2911	36.42	95.637	0.291	36.665	95.632

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															