Manufacturer: Darfon Electronics Corp

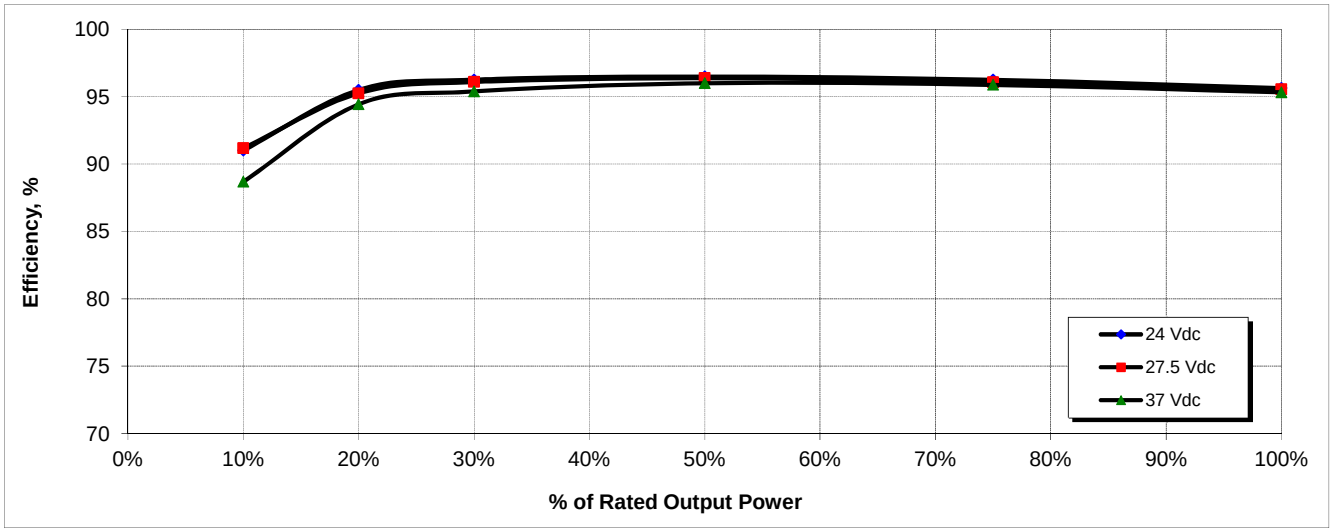
Model #: G32xxxxxx (X=0-9, A-Z or Blank)

Rated Maximum Continuous Output Power: 0.30 kW Night Tare Loss: 0.65 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	0.30	Wtd
Vmin	24	91.0	95.5	96.3	96.5	96.3	95.6	96.0
Vnom	27.5	91.2	95.3	96.1	96.4	96.1	95.5	95.9
Vmax	37	88.7	94.4	95.4	96.0	95.9	95.3	95.5

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	0.0292	24.0218	90.9840	0.0291	23.8332	91.0710	0.0292	23.9772	91.0723	0.0291	24.0820	90.9920	0.0291	24.2053	90.9853
20%	Vmin	0.0665	24.0528	95.5152	0.0665	24.0610	95.5172	0.0665	24.0472	95.5156	0.0664	24.0103	95.4559	0.0664	23.9567	95.4737
30%	Vmin	0.0998	23.8490	96.3130	0.0998	23.8583	96.2862	0.0998	23.8735	96.2732	0.1003	24.2173	96.2262	0.1003	24.2498	96.2230
50%	Vmin	0.1526	24.4872	96.4771	0.1526	24.5712	96.4820	0.1526	24.5548	96.4898	0.1520	23.8983	96.5170	0.1521	23.9535	96.5202
75%	Vmin	0.2153	24.0998	96.2457	0.2153	24.1030	96.2528	0.2153	24.1030	96.2431	0.2158	24.0782	96.2748	0.2158	24.0817	96.2735
100%	Vmin	0.2908	24.2505	95.5767	0.2908	24.3365	95.5731	0.2908	24.3565	95.5467	0.2907	24.0333	95.7573	0.2907	24.1738	95.7263
10%	Vnom	0.0294	27.4975	91.1976	0.0292	26.9113	91.2522	0.0292	26.9132	91.2697	0.0292	27.4397	91.0740	0.0291	27.1133	91.1291
20%	Vnom	0.0667	27.3585	95.2658	0.0667	27.3408	95.2761	0.0668	27.3987	95.2832	0.0670	27.4933	95.2261	0.0670	27.5217	95.2137
30%	Vnom	0.1002	27.4155	96.1084	0.1002	27.4513	96.0983	0.1002	27.5992	96.0938	0.1003	27.4772	96.1109	0.1004	27.5970	96.0650
50%	Vnom	0.1520	27.2755	96.3963	0.1520	27.2768	96.3779	0.1520	27.2970	96.3770	0.1521	27.5920	96.3571	0.1521	27.6007	96.3500
75%	Vnom	0.2154	27.8273	96.0525	0.2154	27.7967	96.0604	0.2154	27.7583	96.0704	0.2158	27.3707	96.1204	0.2158	27.3567	96.1246
100%	Vnom	0.2906	27.4660	95.5588	0.2906	27.4227	95.5534	0.2905	27.5763	95.5465	0.2803	27.9665	95.5446	0.2904	27.5025	95.5218
10%	Vmax	0.0285	36.7685	88.7584	0.0284	36.4412	88.8130	0.0285	37.0130	88.7536	0.0284	37.4378	88.5289	0.0283	37.1922	88.5888
20%	Vmax	0.0662	36.6017	94.4391	0.0662	36.4972	94.4474	0.0662	36.5668	94.4474	0.0663	36.8765	94.4297	0.0663	37.0373	94.4192
30%	Vmax	0.1000	37.0280	95.3549	0.0999	37.4787	95.2991	0.0999	37.2183	95.3400	0.0993	37.0095	95.4773	0.0993	37.0573	95.4850
50%	Vmax	0.1522	36.9897	96.0160	0.1523	37.1255	96.0089	0.1522	37.0077	95.9994	0.1523	36.7965	95.9994	0.1523	36.7508	96.0079
75%	Vmax	0.2149	37.3597	95.8643	0.2150	37.3228	95.8934	0.2150	37.2940	95.8923	0.2151	37.0558	95.8831	0.2151	37.0538	95.8861
100%	Vmax	0.2897	36.9702	95.3233	0.2897	36.9593	95.3206	0.2898	36.9803	95.3166	0.2898	36.9710	95.3131	0.2898	36.9023	95.3409

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															