Manufacturer: Sysgration Ltd.

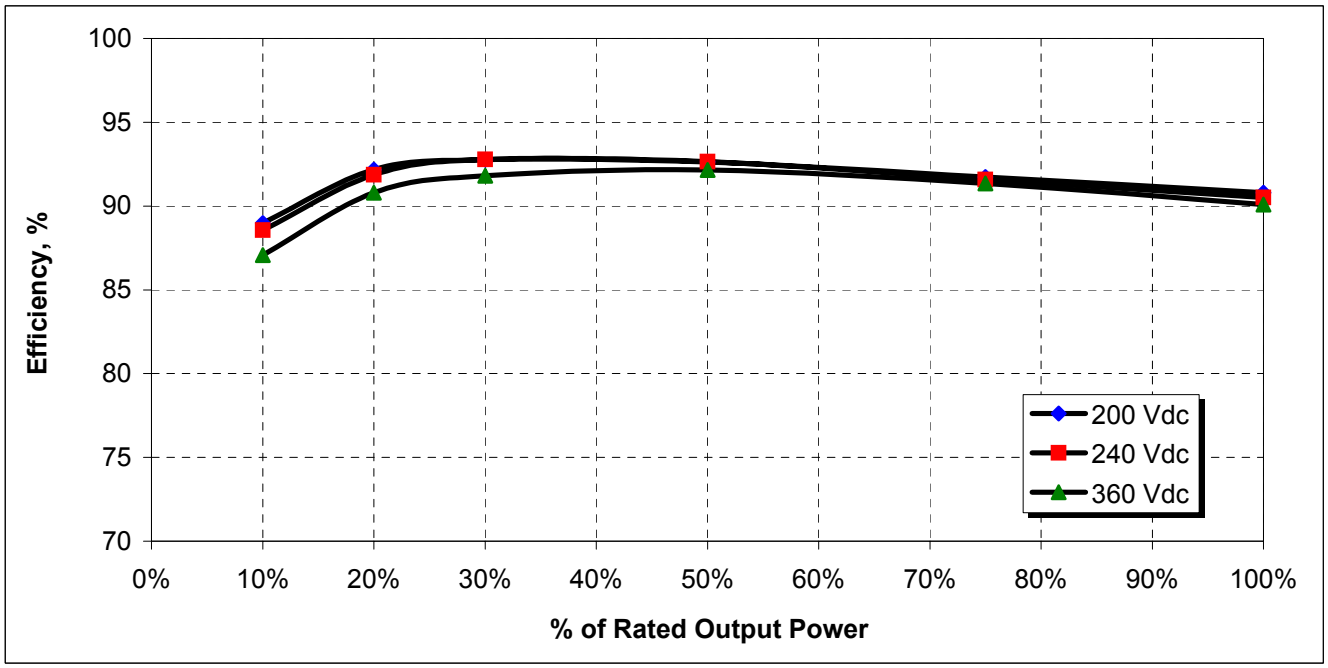
Model #: Soleil 2000-120

Rated Maximum Continuous Output Power: 2.00 kW Night Tare Loss: 14.18 W

Vmin: 200 Vdc Vnom: 240 Vdc Vmax: 360 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.20	0.40	0.60	1.00	1.50	2.00	Wtd
Vmin	200	89.0	92.2	92.8	92.6	91.7	90.8	91.9
Vnom	240	88.6	91.9	92.8	92.6	91.6	90.5	91.8
Vmax	360	87.1	90.8	91.8	92.2	91.3	90.1	91.3

CEC Efficiency = 91.5%



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	0.196	200.49	88.42%	0.204	200.92	89.04%	0.203	200.95	89.84%	0.191	200.01	88.55%	0.188	200.30	89.06%
20%	Vmin	0.376	200.34	92.02%	0.409	200.72	90.00%	0.443	200.73	92.48%	0.421	200.29	92.26%	0.368	200.02	92.04%
30%	Vmin	0.592	200.13	92.80%	0.605	200.54	92.62%	0.598	200.57	92.98%	0.579	200.61	92.36%	0.586	200.01	93.04%
50%	Vmin	0.977	200.76	92.74%	1.040	200.09	92.51%	1.044	200.11	92.64%	1.027	200.15	92.63%	1.033	200.05	92.65%
75%	Vmin	1.478	200.75	91.64%	1.541	200.57	91.32%	1.548	200.58	91.69%	1.527	200.62	91.46%	1.512	200.18	92.59%
100%	Vmin	1.997	200.90	90.55%	2.002	200.10	90.90%	2.013	200.06	91.03%	1.998	200.07	90.48%	2.014	200.15	91.05%
10%	Vnom	0.221	240.47	88.76%	0.228	240.90	89.22%	0.226	240.94	89.89%	0.170	240.01	87.01%	0.177	240.01	87.90%
20%	Vnom	0.401	240.34	91.69%	0.410	240.76	91.74%	0.407	240.80	92.25%	0.384	240.34	91.54%	0.395	240.34	92.15%
30%	Vnom	0.629	240.15	92.70%	0.627	240.59	92.36%	0.642	240.60	92.94%	0.618	240.64	92.80%	0.630	240.24	93.08%
50%	Vnom	1.008	240.34	92.64%	1.010	240.26	92.51%	1.083	240.23	92.62%	0.999	240.32	92.67%	1.004	240.33	92.77%
75%	Vnom	1.508	240.93	91.49%	1.525	240.34	91.42%	1.528	240.85	91.56%	1.499	240.88	91.54%	1.498	240.11	91.84%
100%	Vnom	2.006	240.82	90.48%	2.008	240.44	90.23%	2.031	240.40	90.56%	1.990	240.43	90.35%	2.017	240.11	90.90%
10%	Vmax	0.218	360.57	87.42%	0.204	361.00	86.69%	0.205	360.05	87.72%	0.194	360.08	87.12%	0.188	360.09	86.42%
20%	Vmax	0.379	360.48	90.29%	0.420	360.89	90.59%	0.446	360.91	91.40%	0.423	360.45	90.72%	0.381	360.68	91.01%
30%	Vmax	0.595	360.37	91.68%	0.599	360.80	91.54%	0.606	360.82	91.97%	0.583	360.36	91.63%	0.596	360.05	92.24%
50%	Vmax	1.012	360.64	91.87%	1.012	360.56	91.91%	1.063	369.48	92.38%	1.001	360.62	92.17%	1.005	360.33	92.42%
75%	Vmax	1.502	360.37	91.34%	1.503	360.28	91.06%	1.504	360.31	91.37%	1.489	360.33	91.30%	1.505	360.13	91.61%
100%	Vmax	2.000	360.08	90.01%	1.998	360.02	89.90%	2.000	360.01	90.09%	2.001	360.20	90.04%	2.008	360.01	90.45%

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															