Manufacturer: Open Energy (original manufacturer – PV Powered LLC)

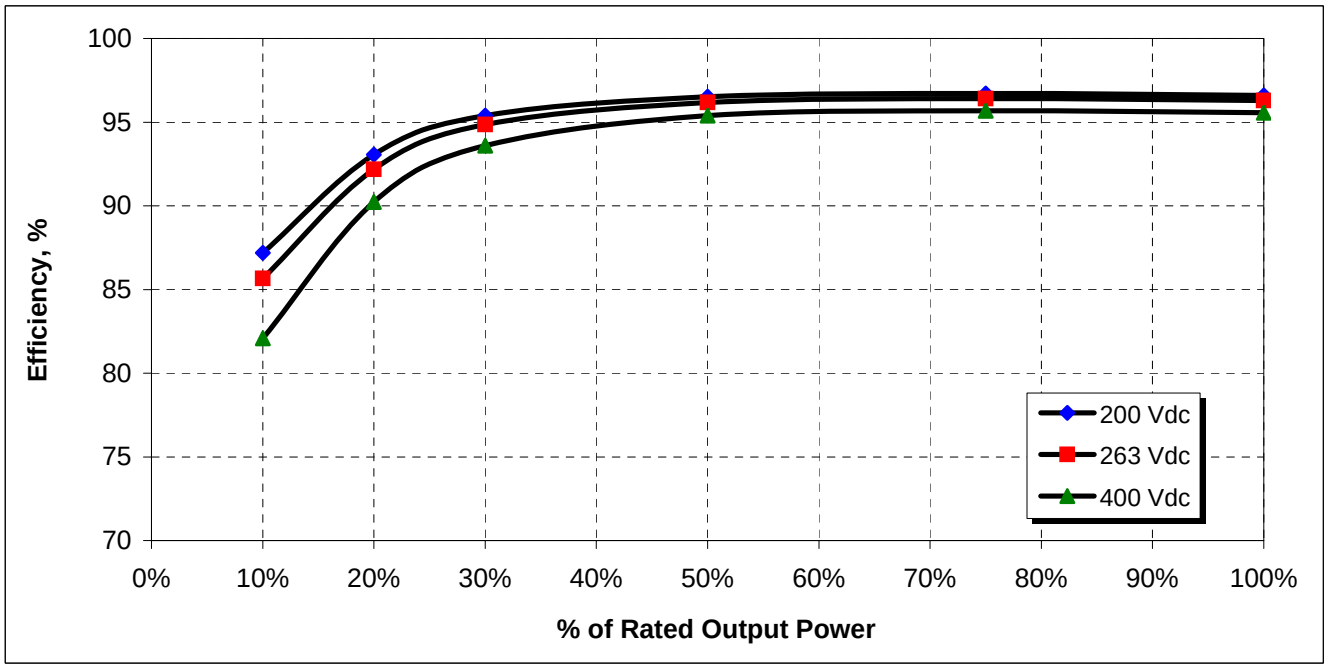
Model #: Solar Save 3500

Rated Maximum Continuous Output Power: 3.50 kW Night Tare Loss: 3.86 W

Vmin: 200 Vdc Vnom: 263 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.35	0.70	1.05	1.75	2.63	3.50	Wtd
Vmin	200	87.2	93.1	95.4	96.5	96.7	96.6	95.9
Vnom	263	85.7	92.2	94.9	96.2	96.4	96.3	95.5
Vmax	400	82.1	90.2	93.6	95.4	95.7	95.6	94.5

CEC Efficiency = 95.5%



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	336.7	205.4	87.23	336.8	205.6	87.18	336.8	205.5	87.24	336.2	205.5	87.20	335.8	205.5	87.10
20%	Vmin	662.5	203.2	93.06	662.6	203.3	93.01	662.8	203.2	93.06	663.3	203.3	93.07	663.8	203.3	93.09
30%	Vmin	1096.5	204.0	95.41	1096.0	204.1	95.39	1095.9	203.8	95.38	1095.9	203.9	95.36	1096.0	204.0	95.42
50%	Vmin	1852.0	203.2	96.49	1851.4	203.1	96.56	1850.0	202.9	96.53	1852.2	203.1	96.56	1850.4	203.0	96.50
75%	Vmin	2758.2	204.0	96.70	2761.8	204.2	96.71	2763.0	204.3	96.71	2764.2	204.4	96.71	2762.6	204.2	96.71
100%	Vmin	3346.7	202.7	96.58	3344.8	202.6	96.58	3345.1	202.6	96.58	3361.8	203.8	96.60	3360.9	203.7	96.58
10%	Vnom	329.3	265.5	85.83	328.5	265.4	85.60	328.8	265.5	85.64	328.9	265.9	85.68	328.0	265.8	85.61
20%	Vnom	653.8	265.6	92.12	654.5	265.5	92.12	655.3	265.6	92.28	655.5	265.7	92.15	654.8	265.5	92.23
30%	Vnom	1086.9	264.6	94.82	1088.4	264.9	94.80	1089.3	265.1	94.87	1089.4	265.1	94.91	1089.8	265.5	94.86
50%	Vnom	1840.4	264.5	96.16	1843.1	264.6	96.17	1842.8	264.8	96.16	1843.8	265.0	96.15	1843.9	264.9	96.20
75%	Vnom	2763.9	264.7	96.38	2766.3	265.1	96.41	2765.8	265.1	96.42	2769.3	265.4	96.42	2762.4	265.1	96.41
100%	Vnom	3346.1	264.7	96.29	3341.7	264.4	96.29	3345.3	264.6	96.30	3344.6	264.5	96.28	3344.0	264.5	96.27
10%	Vmax	312.0	401.9	82.07	312.4	402.1	82.17	311.9	402.4	82.02	311.6	402.3	81.92	312.4	402.2	82.05
20%	Vmax	636.6	403.6	90.20	635.5	403.4	90.30	636.1	404.2	90.13	636.2	403.8	90.34	635.6	403.9	90.13
30%	Vmax	1074.6	402.4	93.57	1076.6	402.2	93.64	1076.5	402.4	93.63	1073.7	401.6	93.52	1074.3	401.7	93.58
50%	Vmax	1904.9	402.5	95.40	1894.3	401.3	95.40	1899.8	401.8	95.38	1898.3	401.6	95.43	1897.1	401.5	95.36
75%	Vmax	2761.2	401.3	95.65	2762.6	401.4	95.70	2761.2	401.4	95.66	2760.3	401.2	95.68	2757.2	401.0	95.67
100%	Vmax	3338.8	400.6	95.58	3340.7	400.6	95.57	3340.2	400.8	95.54	3339.4	400.6	95.56	3340.1	400.7	95.57

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	336.4	205.3	87.13	336.2	205.4	87.24	336.1	205.3	87.18	335.7	205.0	87.17	335.7	204.9	87.21
20%	Vmin	663.2	203.1	93.045	663.0	203.1	93.102	662.0	203.0	93.042	662.9	203.1	93.096	662.7	203.1	93.029
30%	Vmin	1094.6	203.7	95.425	1095.4	203.8	95.363	1095.5	204.0	95.366	1094.8	203.9	95.388	1093.3	203.5	95.380
50%	Vmin	1849.4	202.7	96.568	1848.9	202.8	96.532	1848.8	202.8	96.507	1846.9	202.7	96.496	1850.9	202.9	96.506
75%	Vmin	2762.1	204.3	96.705	2764.0	204.4	96.708	2762.7	204.2	96.702	2762.2	204.1	96.709	2761.5	204.1	96.688
100%	Vmin	3361.7	203.9	96.594	3361.4	203.7	96.597	3362.3	203.8	96.584	3364.7	203.8	96.607	3363.9	203.8	96.584
10%	Vnom	328.9	266.2	85.645	329.4	265.9	85.752	328.7	266.2	85.577	328.6	266.0	85.689	329.5	266.1	85.659
20%	Vnom	654.3	265.5	92.195	653.3	264.9	92.152	655.0	265.4	92.197	655.2	265.5	92.219	654.5	265.2	92.157
30%	Vnom	1088.9	265.3	94.840	1088.6	265.2	94.878	1088.2	264.9	94.886	1089.5	265.2	94.811	1089.1	264.9	94.909
50%	Vnom	1845.5	265.1	96.196	1845.7	265.1	96.196	1844.1	264.7	96.168	1846.3	265.1	96.174	1845.4	265.0	96.158
75%	Vnom	2760.2	265.1	96.343	2762.7	265.1	96.417	2761.5	264.8	96.422	2760.0	264.8	96.392	2761.1	264.7	96.382
100%	Vnom	3344.3	264.7	96.287	3350.5	264.8	96.296	3346.7	264.6	96.298	3343.9	264.4	96.279	3347.7	264.7	96.291
10%	Vmax	312.8	402.4	82.226	312.6	402.0	82.091	313.0	402.2	82.215	312.0	401.8	82.013	311.8	402.0	82.016
20%	Vmax	635.3	403.6	90.256	636.5	404.1	90.252	635.1	403.4	90.263	635.7	403.8	90.187	636.0	403.6	90.250
30%	Vmax	1074.8	401.4	93.589	1075.2	401.6	93.584	1075.6	401.9	93.585	1074.7	401.7	93.573	1075.4	401.8	93.613
50%	Vmax	1898.8	401.4	95.389	1897.3	401.5	95.382	1901.2	401.8	95.434	1900.3	401.7	95.455	1900.5	401.5	95.392
75%	Vmax	2757.2	400.8	95.670	2756.8	400.9	95.670	2755.8	400.7	95.676	2754.7	400.8	95.667	2755.4	400.7	95.675
100%	Vmax	3336.7	400.4	95.565	3335.5	400.3	95.569	3340.5	400.9	95.571	3341.3	401.1	95.574	3347.2	401.6	95.568