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

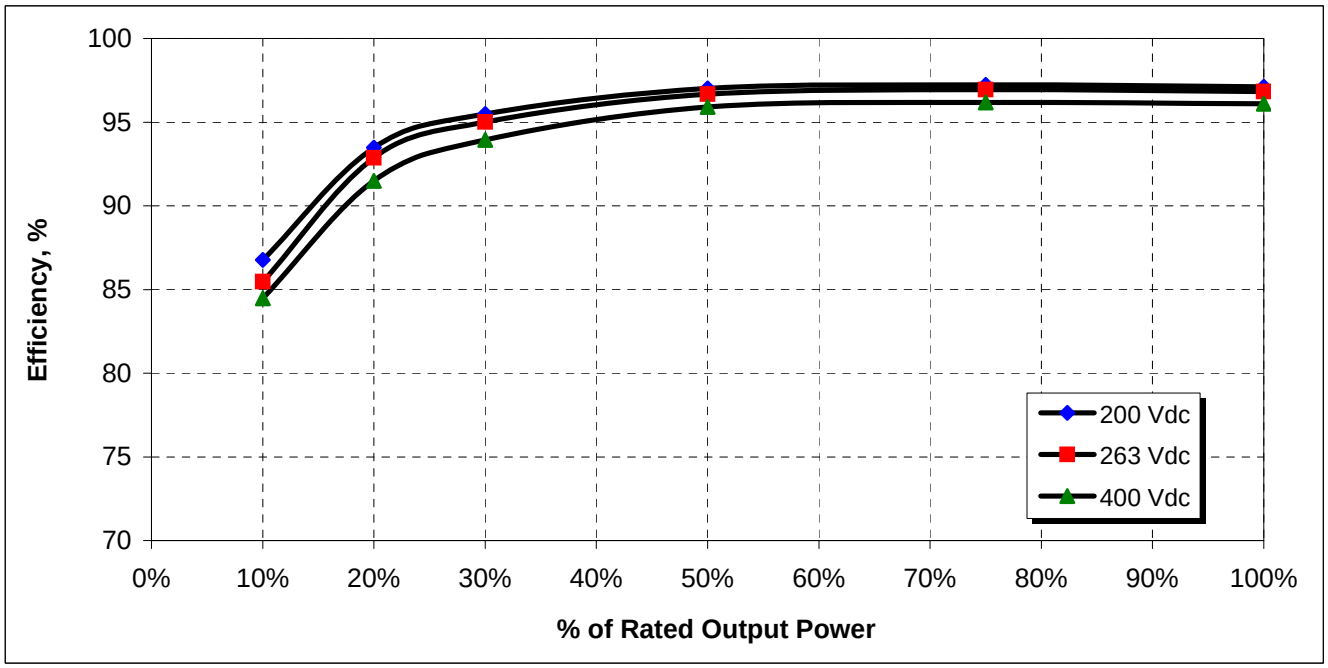
Model #: Solar Save 4800

Rated Maximum Continuous Output Power: 4.80 kW Night Tare Loss: 4.10 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.48	0.96	1.44	2.40	3.60	4.80	Wtd
Vmin	200	86.8	93.5	95.5	97.0	97.2	97.1	96.4
Vnom	263	85.5	92.9	95.0	96.7	96.9	96.8	96.0
Vmax	400	84.5	91.5	93.9	95.9	96.2	96.1	95.1

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	432.9	207.0	86.71	432.6	207.1	86.75	433.0	207.2	86.74	432.8	207.0	86.77	433.2	207.0	86.83
20%	Vmin	932.9	205.9	93.50	932.4	205.7	93.49	932.8	205.7	93.50	931.7	205.8	93.47	931.8	205.7	93.47
30%	Vmin	1379.2	203.8	95.49	1378.7	204.0	95.49	1378.6	203.9	95.47	1378.4	203.9	95.48	1378.0	203.9	95.51
50%	Vmin	2541.1	203.6	97.02	2539.4	203.6	97.02	2539.8	203.6	97.01	2539.4	203.6	97.00	2538.4	203.5	97.01
75%	Vmin	3660.0	203.3	97.22	3660.0	203.3	97.23	3660.0	203.2	97.22	3660.0	203.3	97.23	3660.0	203.2	97.22
100%	Vmin	4610.0	204.7	97.12	4610.0	204.8	97.11	4600.0	204.7	97.11	4610.0	204.8	97.11	4610.0	204.8	97.11
10%	Vnom	426.1	269.6	85.51	425.2	269.4	85.38	425.5	269.5	85.46	425.2	269.3	85.54	425.2	269.5	85.40
20%	Vnom	927.8	267.3	92.88	926.9	267.1	92.89	926.4	267.0	92.87	926.7	267.2	92.85	926.8	267.2	92.86
30%	Vnom	1372.9	266.6	95.00	1372.7	266.6	95.05	1373.5	266.6	95.01	1373.4	266.5	95.01	1374.1	266.6	95.01
50%	Vnom	2537.2	266.2	96.69	2537.7	266.4	96.69	2538.7	266.4	96.68	2537.9	266.4	96.68	2537.5	266.4	96.69
75%	Vnom	3660.0	264.8	96.93	3650.0	264.7	96.93	3660.0	265.0	96.91	3660.0	264.8	96.93	3660.0	265.1	96.90
100%	Vnom	4620.0	264.6	96.83	4620.0	264.6	96.81	4620.0	264.7	96.82	4610.0	264.4	96.83	4610.0	264.4	96.84
10%	Vmax	464.2	406.3	84.51	464.2	406.5	84.47	464.0	406.1	84.42	464.0	406.1	84.49	464.2	406.2	84.40
20%	Vmax	913.3	406.6	91.45	914.0	406.8	91.54	913.4	406.7	91.47	913.6	406.7	91.44	913.1	406.8	91.50
30%	Vmax	1361.0	403.0	93.94	1361.2	402.9	93.92	1361.1	402.9	93.92	1362.3	403.1	93.94	1362.7	403.1	93.96
50%	Vmax	2530.0	402.5	95.88	2530.0	402.3	95.92	2530.0	402.5	95.89	2530.0	402.6	95.93	2530.0	402.3	95.89
75%	Vmax	3650.0	404.5	96.15	3650.0	404.5	96.18	3650.0	404.6	96.19	3650.0	404.5	96.19	3650.0	404.9	96.19
100%	Vmax	4620.0	403.3	96.10	4620.0	403.3	96.10	4620.0	403.1	96.09	4620.0	402.8	96.08	4620.0	403.2	96.10

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	433.2	207.1	86.79	433.0	207.1	86.82	433.1	207.4	86.72						
20%	Vmin	932.2	205.7	93.496	931.2	205.7	93.502	930.6	205.6	93.451						
30%	Vmin	1379.4	204.0	95.485												
50%	Vmin	2540.6	203.6	97.010												
75%	Vmin	3650.0	203.1	97.224	3660.0	203.3	97.232									
100%	Vmin	4600.0	204.7	97.107	4610.0	204.8	97.106									
10%	Vnom	425.0	269.1	85.499	424.7	268.9	85.448	424.8	269.2	85.542						
20%	Vnom	926.8	267.1	92.837	927.0	267.0	92.893									
30%	Vnom	1372.1	266.4	94.997	1373.2	266.6	95.031									
50%	Vnom	2536.7	266.3	96.669	2536.8	266.3	96.679	2535.4	266.2	96.685						
75%	Vnom	3660.0	265.1	96.936	3660.0	264.9	96.945	3660.0	264.9	96.946	3660.0	264.9	96.946			
100%	Vnom	4610.0	264.3	96.818	4600.0	264.2	96.841									
10%	Vmax	464.6	405.9	84.551	464.5	405.8	84.442	464.5	406.0	84.463	464.2	405.8	84.470	464.1	405.7	84.457
20%	Vmax	913.4	406.7	91.472	913.3	406.9	91.521									
30%	Vmax	1361.7	403.2	93.909	1361.0	403.0	93.917									
50%	Vmax	2530.0	402.6	95.916	2530.0	402.4	95.911	2530.0	402.3	95.905						
75%	Vmax	3650.0	404.3	96.213	3650.0	404.7	96.175	3650.0	404.6	96.175						
100%	Vmax	4620.0	403.1	96.107	4620.0	403.2	96.082									