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

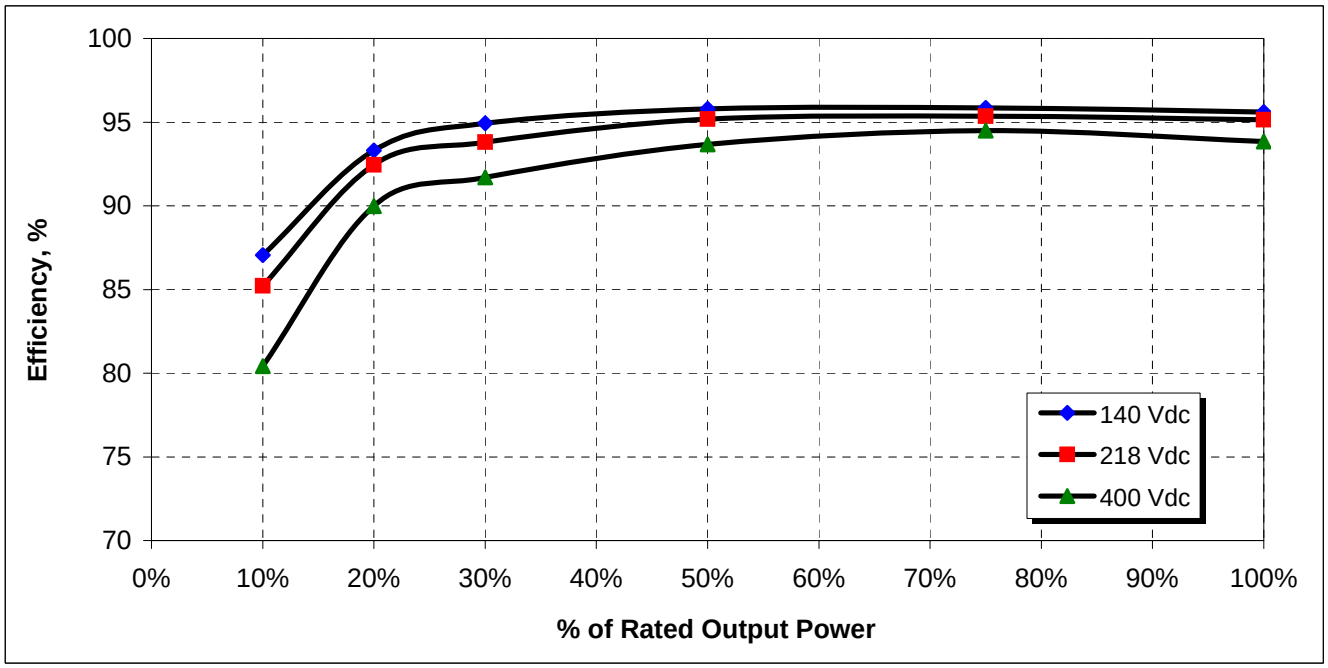
Model #: Solar Save 2500

Rated Maximum Continuous Output Power: 2.50 kW Night Tare Loss: 2.50 W

Vmin: 140 Vdc Vnom: 218 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.25	0.50	0.75	1.25	1.88	2.50	Wtd
Vmin	140	87.1	93.3	94.9	95.8	95.8	95.6	95.2
Vnom	218	85.2	92.4	93.8	95.2	95.4	95.1	94.6
Vmax	400	80.4	90.0	91.7	93.7	94.5	93.8	93.2

CEC Efficiency = 94.5%



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	252.5	142.1	87.01	252.8	142.0	87.09	252.9	142.1	87.08	253.4	142.2	87.08	253.0	141.9	87.04
20%	Vmin	544.7	143.0	93.27	544.7	143.0	93.34	544.5	143.0	93.32	544.5	143.0	93.30	544.8	143.1	93.29
30%	Vmin	793.0	140.9	94.94	795.0	141.0	94.95	795.5	141.1	94.96	795.5	141.1	94.95	796.0	141.4	94.91
50%	Vmin	1352.5	140.1	95.77	1354.9	140.3	95.79	1353.1	140.0	95.80	1354.7	140.2	95.77	1354.0	140.1	95.79
75%	Vmin	1986.1	141.9	95.85	1989.5	142.1	95.82	1988.1	142.1	95.83	1988.6	142.1	95.83	1990.1	142.0	95.84
100%	Vmin	2403.9	142.4	95.61	2406.9	142.6	95.62	2404.6	142.4	95.62	2406.3	142.5	95.61	2404.5	142.5	95.60
10%	Vnom	246.2	218.8	85.27	246.4	218.9	85.22	246.2	219.2	85.20	246.1	219.0	85.30	246.8	219.2	85.20
20%	Vnom	540.9	218.3	92.44	540.3	218.1	92.42	541.1	218.3	92.48	539.6	217.8	92.41	539.8	217.8	92.44
30%	Vnom	790.1	218.8	93.87	789.7	218.7	93.82	790.3	218.7	93.84	788.9	218.4	93.79	789.0	218.3	93.80
50%	Vnom	1348.5	219.6	95.12	1350.6	219.7	95.24	1348.5	219.6	95.13	1350.2	219.8	95.21	1348.0	219.6	95.20
75%	Vnom	1979.7	219.0	95.35	1979.7	219.0	95.34	1980.4	219.1	95.36	1980.8	219.1	95.36	1984.4	219.3	95.36
100%	Vnom	2394.1	220.4	95.12	2403.0	221.0	95.13	2400.2	220.9	95.12	2399.5	220.9	95.12	2403.6	221.2	95.14
10%	Vmax	228.7	405.4	80.39	228.7	406.0	80.56	228.9	405.7	80.38	229.0	406.1	80.61	228.4	406.0	80.14
20%	Vmax	527.2	402.1	89.87	528.8	402.7	90.09	528.3	402.7	89.88	528.3	402.4	89.98	528.9	402.8	90.08
30%	Vmax	779.8	402.4	91.69	779.8	402.3	91.65	778.2	402.1	91.70	780.5	402.8	91.68	778.4	402.0	91.73
50%	Vmax	1343.5	401.0	93.67	1341.8	400.5	93.67	1342.2	400.8	93.64	1341.1	400.5	93.67	1341.5	400.8	93.60
75%	Vmax	1954.9	400.0	94.50	1954.0	399.5	94.53	1955.4	399.7	94.54	1958.3	400.4	94.48	1953.5	399.7	94.43
100%	Vmax	2399.7	401.2	93.84	2398.0	401.2	93.86	2393.4	400.1	93.83	2391.5	401.8	93.83	2390.9	402.0	93.83

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	253.3	142.2	87.03	252.8	142.1	87.11	252.9	142.2	87.00	253.2	142.2	87.09	253.0	142.2	87.02
20%	Vmin	544.6	142.9	93.313	544.5	143.0	93.271	544.5	143.0	93.261	544.7	143.1	93.304	544.4	143.0	93.320
30%	Vmin	795.7	141.3	94.963	795.3	141.3	94.935	794.1	141.1	94.946	795.4	141.3	94.942	795.3	141.3	94.934
50%	Vmin	1353.4	140.0	95.774	1354.6	140.2	95.782	1353.8	140.2	95.783	1355.5	140.2	95.786	1355.2	140.2	95.793
75%	Vmin	1989.5	142.1	95.846	1992.5	142.2	95.851	1989.1	142.1	95.857	1991.1	142.1	95.840	1990.2	142.1	95.846
100%	Vmin	2405.2	142.5	95.604	2404.1	142.5	95.592	2408.0	142.7	95.619	2395.0	142.2	95.585	2396.8	142.2	95.595
10%	Vnom	246.4	219.1	85.234	246.4	219.3	85.173	246.4	219.0	85.272	246.3	218.9	85.143	246.0	218.7	85.278
20%	Vnom	539.7	217.9	92.389	540.4	218.1	92.438	540.5	217.8	92.499	539.7	217.7	92.438	540.2	217.9	92.440
30%	Vnom	788.2	218.1	93.824	789.1	218.3	93.803	787.9	218.0	93.775	789.1	218.3	93.760	790.2	218.7	93.818
50%	Vnom	1350.1	219.8	95.182	1349.5	219.8	95.228	1348.9	219.6	95.185	1351.0	219.9	95.217	1349.1	219.6	95.194
75%	Vnom	1984.4	219.5	95.361	1987.3	219.6	95.381	1983.1	219.4	95.355	1987.0	219.7	95.349	1986.1	219.5	95.376
100%	Vnom	2399.7	220.8	95.142	2401.6	221.0	95.154	2402.5	221.1	95.143	2404.8	221.3	95.155	2401.9	221.0	95.149
10%	Vmax	229.1	405.7	80.564	229.1	405.6	80.390	228.4	405.9	80.180	228.6	405.5	80.580	228.8	405.8	80.339
20%	Vmax	528.2	402.4	89.980	527.7	401.9	90.109	527.7	402.0	89.960	527.8	402.3	90.094	528.0	402.6	89.833
30%	Vmax	778.7	401.8	91.674	778.8	402.0	91.776	780.2	402.4	91.740	778.0	401.8	91.749	779.6	402.3	91.617
50%	Vmax	1342.4	400.5	93.762	1341.2	400.6	93.639	1343.5	400.6	93.713	1342.4	400.9	93.676	1344.3	401.0	93.748
75%	Vmax	1958.2	400.5	94.562	1955.6	400.3	94.499	1957.9	400.5	94.390	1959.4	400.9	94.520	1960.1	400.8	94.541
100%	Vmax	2394.8	402.2	93.852	2390.9	401.8	93.803	2392.7	401.9	93.814	2388.9	401.5	93.836	2394.4	401.9	93.846