Manufacturer: Satcon Technology Corporation

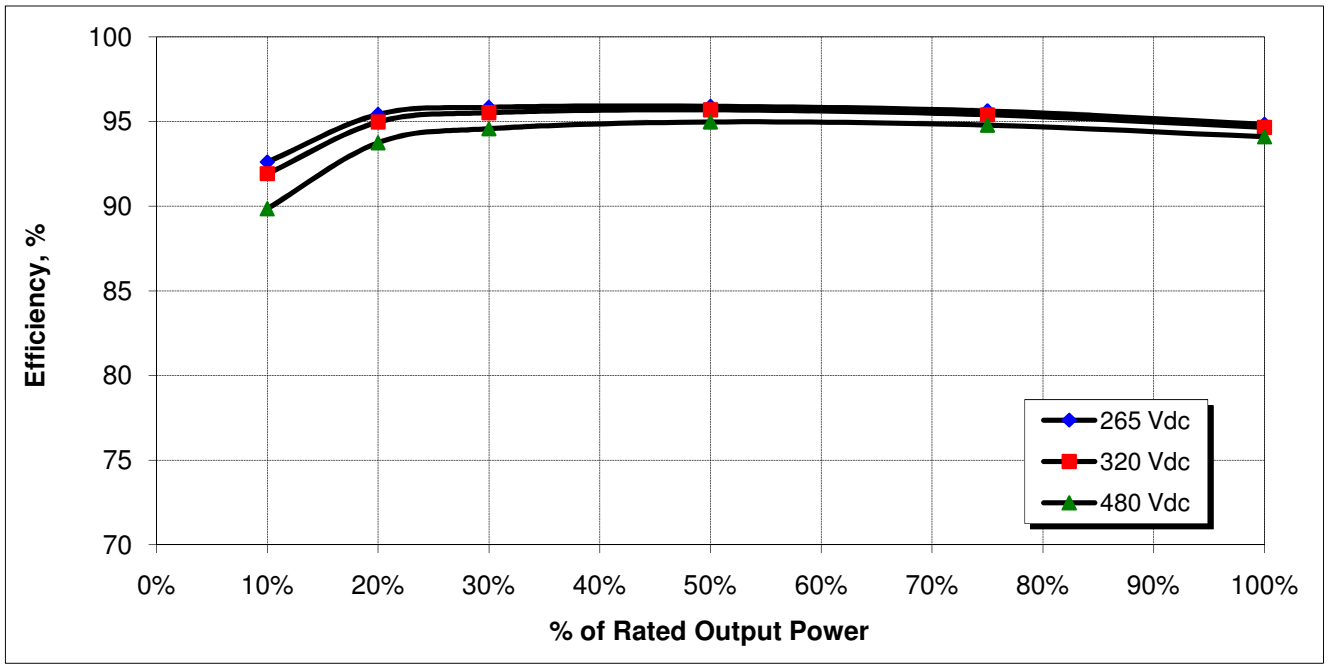
Model #: PV-110-S - 208Vac

Rated Maximum Continuous Output Power: 110.00 kW Night Tare Loss: 72.50 W

Vmin: 265 Vdc Vnom: 320 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		11.00	22.00	33.00	55.00	82.50	110.00	Wtd
Vmin	265	92.6	95.4	95.8	95.9	95.6	94.8	95.5
Vnom	320	91.9	95.0	95.5	95.7	95.4	94.7	95.3
Vmax	480	89.8	93.7	94.6	95.0	94.8	94.1	94.5

CEC Efficiency = 95.0%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	10003.2	266.3	92.6	9994.3	266.7	92.7	10004.0	267.0	92.6	9995.6	267.0	92.6	10008.9	266.7	92.6
20%	Vmin	23470.3	266.0	95.4	23473.8	266.0	95.4	23476.9	266.3	95.4	23483.3	266.0	95.4	23473.4	266.3	95.4
30%	Vmin	34725.5	266.0	95.9	34715.2	266.0	95.8	34718.3	266.0	95.9	34729.5	266.0	95.9	34715.2	266.0	95.8
50%	Vmin	59476.6	266.0	95.9	59465.1	266.0	95.9	59449.7	266.0	95.9	59468.9	266.0	95.9	59457.5	266.0	95.9
75%	Vmin	77405.9	266.0	95.6	77395.7	266.0	95.6	77436.8	266.0	95.7	77471.0	266.0	95.7	77404.6	266.0	95.6
100%	Vmin	110856.0	266.0	94.9	110827.7	266.0	94.8	110819.0	266.0	94.8	110904.0	266.0	94.9	110818.3	266.0	94.8
10%	Vnom	10010.9	321.3	92.0	10016.9	321.0	91.9	10017.9	321.0	91.9	10019.0	321.3	91.9	10018.3	321.0	91.9
20%	Vnom	23543.4	321.0	95.0	23546.9	321.0	95.0	23535.0	321.0	95.0	23547.0	321.0	95.0	23550.9	321.0	95.0
30%	Vnom	34768.6	321.0	95.5	34771.2	321.0	95.5	34767.0	321.0	95.5	34740.3	321.0	95.5	34760.1	321.0	95.5
50%	Vnom	50504.8	321.0	95.7	50494.6	321.0	95.7	50504.2	321.0	95.7	50504.9	321.0	95.7	50494.6	321.0	95.7
75%	Vnom	77434.4	321.0	95.4	77483.8	321.0	95.4	77471.6	321.0	95.4	77480.5	321.0	95.4	77494.3	321.0	95.4
100%	Vnom	111217.3	321.0	94.7	60.0	321.0	94.6	111073.7	321.0	94.6	111148.0	321.0	94.7	111159.0	321.0	94.6
10%	Vmax	10212.1	481.0	90.0	10125.4	481.0	89.8	10129.6	481.0	89.9	10127.8	481.0	89.7	10142.8	481.0	89.8
20%	Vmax	23616.1	481.0	93.7	23616.0	481.0	93.7	23601.2	481.0	93.7	23595.1	481.0	93.7	23630.9	481.0	93.7
30%	Vmax	35338.3	481.0	94.6	34849.6	481.0	94.6	34814.6	481.0	94.5	34826.2	481.0	94.6	34827.4	481.0	94.6
50%	Vmax	50604.9	481.0	95.0	50607.5	481.0	95.0	50602.7	481.0	95.0	50601.2	481.0	95.0	50588.2	481.0	95.0
75%	Vmax	77659.3	481.0	94.8	77547.0	481.0	94.8	77562.2	481.0	94.8	77636.1	481.0	94.7	77516.3	481.0	94.8
100%	Vmax	111192.7	481.0	94.1	111268.7	481.0	94.1	111347.0	481.0	94.1	111207.3	481.0	94.1	111157.0	481.0	94.1

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	10013.6	267.0	92.6	10012.9	266.3	92.5									
20%	Vmin	23475.5	266.0	95.4	23472.6	266.0	95.4									
30%	Vmin	34726.9	266.0	95.9	34715.8	266.0	95.8									
50%	Vmin	59470.5	266.0	95.9	59479.9	266.0	95.9									
75%	Vmin	77431.5	266.0	95.6	77408.3	266.0	95.6									
100%	Vmin	110779.7	266.0	94.8	110856.3	266.0	94.9									
10%	Vnom	10014.9	321.7	91.9	10025.0	321.7	91.9									
20%	Vnom	23555.2	321.0	95.0	23547.0	321.0	95.0									
30%	Vnom	34751.1	321.0	95.5	34753.9	321.0	95.5									
50%	Vnom	50501.3	321.0	95.7	50494.8	321.0	95.7									
75%	Vnom	77431.2	321.0	95.3	77511.5	321.0	95.4									
100%	Vnom	111146.3	321.0	94.7	60.0	321.0	94.7									
10%	Vmax	10135.7	481.0	89.9	10152.6	481.0	89.9									
20%	Vmax	23611.6	481.0	93.8	23623.2	481.0	93.8									
30%	Vmax	34843.1	481.0	94.6	34812.5	481.0	94.6									
50%	Vmax	50572.3	481.0	94.9	50594.7	481.0	94.9									
75%	Vmax	77658.1	481.0	94.8	77549.9	481.0	94.8									
100%	Vmax	111262.0	481.0	94.1	111298.7	481.0	94.1									