Manufacturer: Satcon Technology Corporation

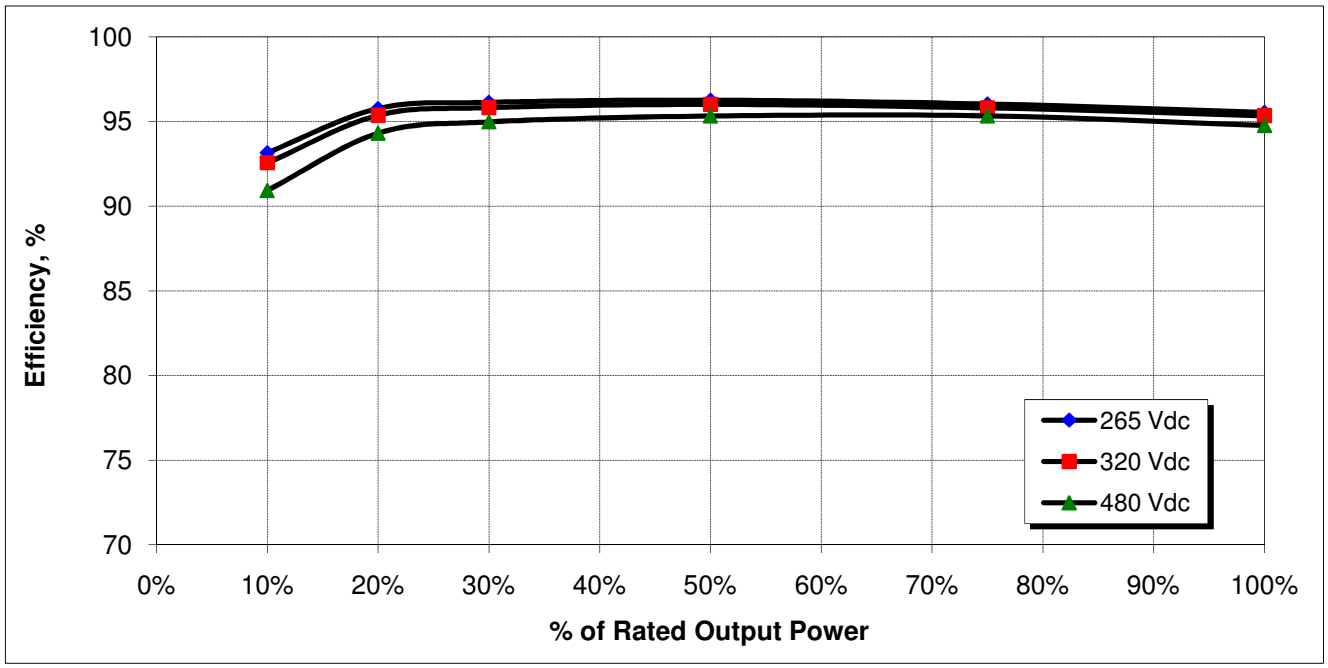
Model #: PV-110-S-480Vac

Rated Maximum Continuous Output Power: 110.00 kW Night Tare Loss: 74.30 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	93.2	95.8	96.1	96.3	96.0	95.5	95.9
Vnom	320	92.6	95.4	95.8	96.0	95.8	95.3	95.7
Vmax	480	90.9	94.3	95.0	95.3	95.3	94.8	95.0

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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	9980.9	266.0	93.1	9970.5	266.0	93.2	9956.9	266.0	93.1	9928.0	266.0	93.1	9912.4	266.0	93.2
20%	Vmin	23449.3	266.0	95.8	23444.0	266.0	95.8	23406.7	266.0	95.8	23393.6	266.0	95.8	23355.3	266.0	95.7
30%	Vmin	34669.1	266.0	96.2	34663.8	266.0	96.1	34719.6	266.0	96.1	34718.3	266.0	96.1	34649.4	266.0	96.1
50%	Vmin	59357.2	266.0	96.2	59373.6	266.0	96.3	59363.5	266.0	96.3	59349.4	266.0	96.3	59387.2	266.0	96.3
75%	Vmin	77381.0	266.0	96.0	77379.2	266.0	96.0	77370.8	266.0	96.0	77394.1	266.0	96.0	77371.6	266.0	96.0
100%	Vmin	105443.3	267.0	95.5	105493.3	267.0	95.6	105455.0	267.0	95.5	105453.3	267.0	95.5	105463.7	267.0	95.5
10%	Vnom	9933.9	321.0	92.6	9946.9	321.0	92.6	9938.4	321.0	92.6	9930.6	321.0	92.5	9914.4	321.0	92.6
20%	Vnom	23421.6	321.0	95.3	23464.2	321.0	95.3	23505.0	321.0	95.4	23549.8	321.0	95.4	23502.9	321.0	95.4
30%	Vnom	34769.2	321.0	95.8	34729.1	321.0	95.8	34662.6	321.0	95.8	34777.0	321.0	95.8	34659.7	321.0	95.8
50%	Vnom	59414.7	321.0	96.0	59374.4	321.0	96.0	59431.9	321.0	96.0	59438.6	321.0	96.0	59401.5	321.0	96.0
75%	Vnom	77387.2	321.0	95.7	77430.0	321.0	95.8	77419.0	321.0	95.8	77425.6	321.0	95.8	77432.3	321.0	95.8
100%	Vnom	105489.3	321.0	95.3	105489.3	321.0	95.3	105512.3	321.0	95.4	105506.3	321.0	95.3	105481.7	321.0	95.4
10%	Vmax	10019.3	481.3	90.9	9999.6	481.3	91.1	9981.8	482.0	90.9	9958.1	482.0	90.8	9941.6	482.0	90.8
20%	Vmax	23447.0	482.0	94.3	23546.2	482.0	94.2	23660.0	482.0	94.4	23550.3	482.0	94.3	23422.3	481.3	94.3
30%	Vmax	34750.0	481.3	95.0	34846.1	481.7	95.0	34745.4	481.3	95.0	34851.0	481.3	95.0	34736.3	481.0	95.0
50%	Vmax	59509.2	481.0	95.3	59573.5	481.3	95.4	59561.6	481.3	95.3	59494.6	482.0	95.3	59494.7	481.3	95.3
75%	Vmax	77520.2	481.3	95.2	77524.2	481.7	95.2	77507.9	481.3	95.2	77498.9	481.0	95.2	77479.8	481.0	95.2
100%	Vmax	105592.7	481.4	94.8	105574.3	481.1	94.8	105604.0	481.3	94.8	105644.3	481.2	94.8	105596.7	481.2	94.8

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	9894.3	266.0	93.2	9911.0	266.0	93.2									
20%	Vmin	23381.0	266.0	95.8	23417.0	266.0	95.8									
30%	Vmin	34687.0	266.0	96.1	34727.1	266.0	96.1									
50%	Vmin	59355.4	266.0	96.3	59390.4	266.0	96.3									
75%	Vmin	77379.8	266.0	96.0	77366.1	266.0	96.0									
100%	Vmin	105412.3	267.0	95.5	105470.7	267.0	95.6									
10%	Vnom	9924.5	321.0	92.6	9918.2	321.3	92.6									
20%	Vnom	23473.0	321.0	95.5	23405.7	321.0	95.4									
30%	Vnom	34704.0	321.0	95.8	34773.9	321.0	95.8									
50%	Vnom	59435.8	321.0	96.0	59407.4	321.0	96.0									
75%	Vnom	77406.5	321.0	95.8	77432.2	321.0	95.8									
100%	Vnom	105519.3	321.0	95.3	105443.0	321.0	95.3									
10%	Vmax	9936.5	482.0	91.0	9928.9	482.0	90.9									
20%	Vmax	23423.1	482.0	94.3	23524.7	481.7	94.3									
30%	Vmax	34861.9	481.3	95.0	34713.3	481.3	94.9									
50%	Vmax	59559.4	481.3	95.4	59551.5	481.7	95.3									
75%	Vmax	77431.7	379.3	95.6	77397.7	324.0	95.8									
100%	Vmax	105640.3	481.3	94.8	105606.0	481.2	94.7									