Manufacturer: Satcon Technology Corporation

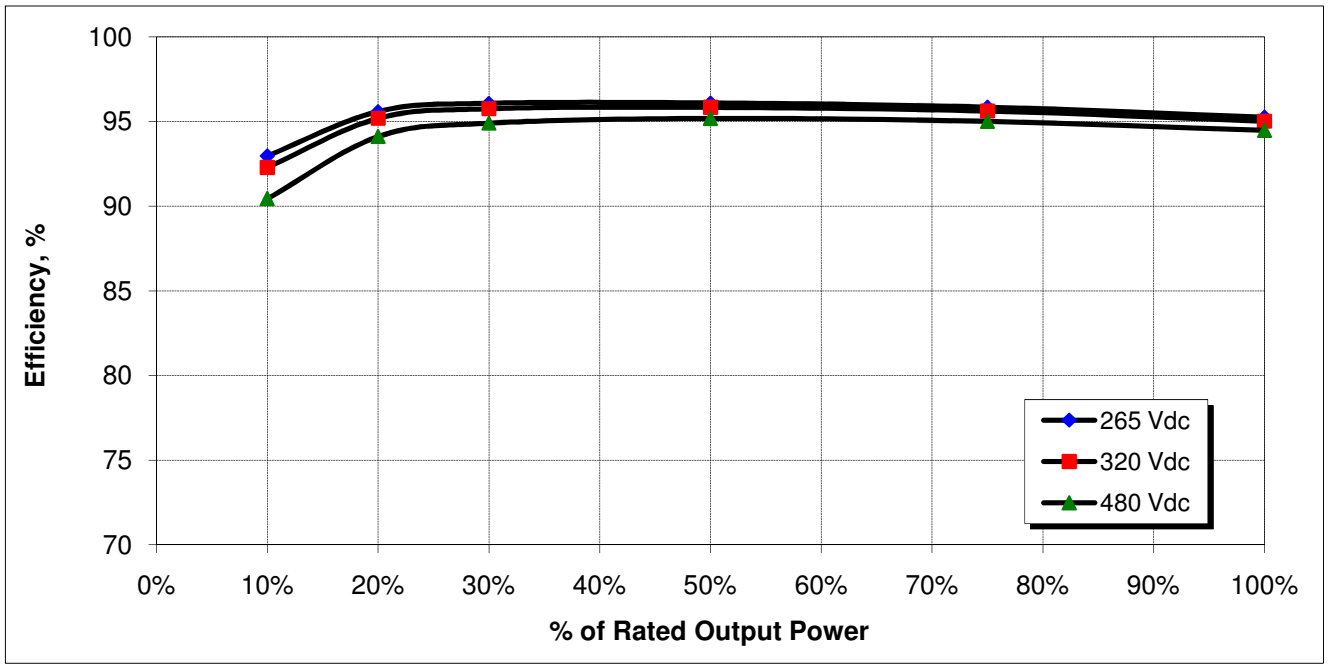
Model #: PV-110-S - 240Vac

Rated Maximum Continuous Output Power: 110.00 kW Night Tare Loss: 70.60 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	93.0	95.6	96.1	96.1	95.8	95.2	95.8
Vnom	320	92.3	95.2	95.8	95.8	95.6	95.0	95.5
Vmax	480	90.4	94.1	94.9	95.2	95.0	94.5	94.8

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	10010.1	267.0	93.0	10008.4	267.0	92.9	10007.2	267.0	93.0	10010.3	266.7	92.9	10015.6	267.0	93.1
20%	Vmin	23441.5	267.0	95.6	23441.3	266.0	95.6	23443.8	266.0	95.6	23430.8	266.7	95.6	23411.9	267.0	95.6
30%	Vmin	34648.0	266.0	96.1	34635.1	266.0	96.0	34646.9	266.0	96.1	34642.8	266.0	96.1	34640.7	266.0	96.1
50%	Vmin	59307.7	266.0	96.1	59305.3	266.0	96.1	59303.9	266.0	96.1	59324.9	266.0	96.1	59306.4	266.0	96.1
75%	Vmin	77219.1	266.0	95.8	77233.7	266.0	95.9	77234.7	266.0	95.8	77235.3	266.0	95.9	77221.1	266.0	95.8
100%	Vmin	105225.0	266.0	95.3	105161.0	266.0	95.2	105194.0	266.0	95.2	105200.0	266.0	95.3	105173.0	266.0	95.2
10%	Vnom	10041.8	321.3	92.3	10041.3	321.3	92.3	10041.9	322.0	92.3	10036.5	321.3	92.3	10033.9	321.3	92.3
20%	Vnom	23479.9	321.0	95.2	23473.0	321.0	95.2	23458.1	321.0	95.2	23455.9	321.0	95.2	23462.8	321.0	95.2
30%	Vnom	34685.8	321.0	95.8	34684.2	321.0	95.8	34666.1	321.0	95.8	34692.4	321.0	95.8	34691.8	321.0	95.8
50%	Vnom	59359.4	321.0	95.9	59361.8	321.0	95.8	59362.6	321.0	95.9	59354.5	321.0	95.9	59350.9	321.0	95.8
75%	Vnom	77287.1	321.0	95.6	77292.8	321.0	95.6	77274.6	321.0	95.6	77289.0	321.0	95.6	77272.8	321.0	95.6
100%	Vnom	105278.7	321.0	95.1	105234.3	321.0	95.0	105259.3	321.0	95.0	105279.0	321.0	95.0	105230.0	321.0	95.0
10%	Vmax	10109.3	481.0	90.4	10112.0	481.0	90.3	10112.4	481.0	90.5	10117.5	481.0	90.4	10120.9	481.0	90.5
20%	Vmax	23523.5	481.0	94.1	23540.5	481.0	94.1	23526.1	481.0	94.1	23532.7	481.0	94.1	23540.5	481.0	94.1
30%	Vmax	34781.4	481.0	94.9	34775.3	481.0	94.9	34767.9	481.0	94.9	34757.5	481.0	94.9	34774.0	481.0	94.9
50%	Vmax	59470.6	481.0	95.2	59463.1	481.0	95.2	59481.9	481.0	95.2	59449.0	481.0	95.1	59455.6	481.0	95.2
75%	Vmax	77408.3	481.0	95.0	77385.6	481.0	95.0	77404.7	481.0	95.0	77388.6	481.0	95.0	77397.2	481.0	95.0
100%	Vmax	105425.7	481.0	94.5	105344.3	481.0	94.4	105370.7	481.0	94.5	105406.7	481.0	94.5	105401.7	481.0	94.5

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	10020.2	267.0	93.0	10015.6	266.7	92.9									
20%	Vmin	23408.3	266.3	95.6	23404.4	266.3	95.6									
30%	Vmin	34636.7	266.0	96.0	34654.9	266.0	96.1									
50%	Vmin	59312.7	266.0	96.1	59312.8	266.0	96.1									
75%	Vmin	77230.6	266.0	95.8	77221.6	266.0	95.8									
100%	Vmin	105194.0	266.0	95.3	105199.7	266.0	95.3									
10%	Vnom	10031.2	322.0	92.3	10033.9	322.0	92.2									
20%	Vnom	23459.2	321.0	95.2	23462.9	321.0	95.2									
30%	Vnom	34683.8	321.0	95.7	34699.7	321.0	95.8									
50%	Vnom	59369.2	321.0	95.9	59358.5	321.0	95.8									
75%	Vnom	77297.4	321.0	95.6	77276.0	321.0	95.6									
100%	Vnom	105232.3	321.0	95.0	105289.7	321.0	95.0									
10%	Vmax	10121.8	481.0	90.5	10111.6	481.0	90.5									
20%	Vmax	23540.7	481.0	94.1	23537.6	481.0	94.1									
30%	Vmax	34781.7	481.0	94.9	34775.9	481.0	94.9									
50%	Vmax	59480.3	481.0	95.2	59475.3	481.0	95.2									
75%	Vmax	77368.5	481.0	95.0	77404.3	481.0	95.0									
100%	Vmax	105324.3	481.0	94.4	105390.3	481.0	94.5									