Manufacturer: Satcon Technology Corporation

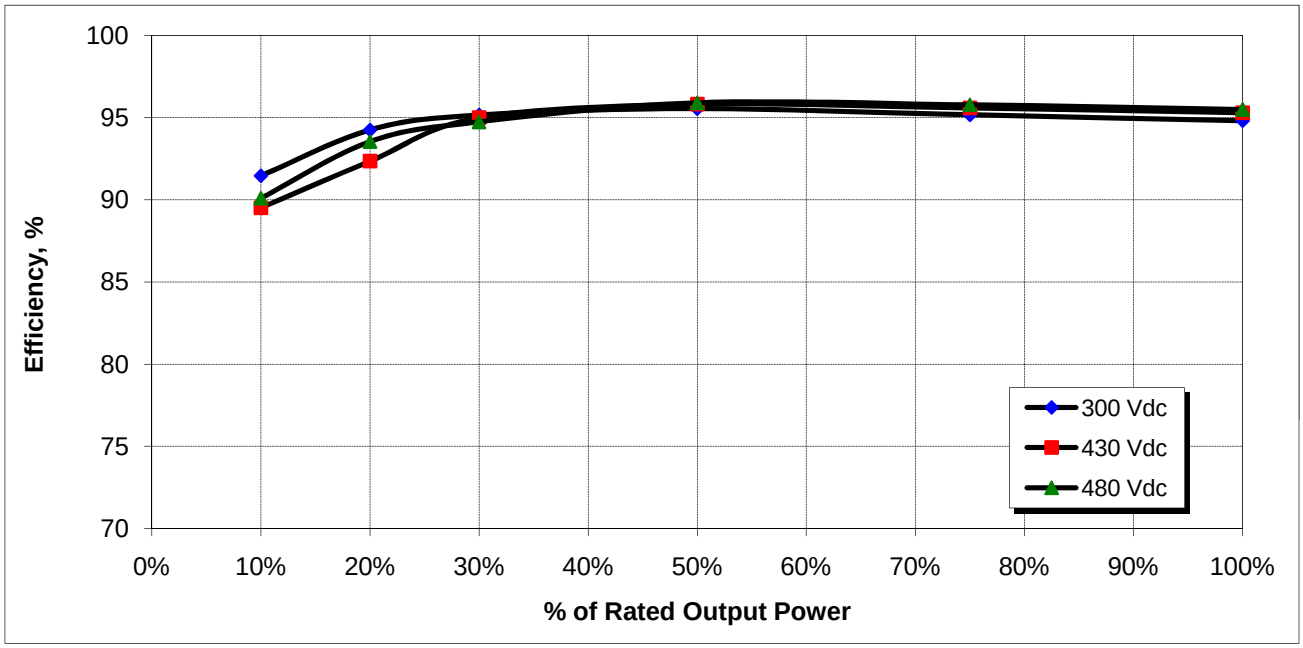
Model #: SSB2512LNU + SDMS0100208LNIU

Rated Maximum Continuous Output Power: 100.00 kW Night Tare Loss: 60.38 W

Vmin: 300 Vdc Vnom: 430 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	300	91.5	94.2	95.2	95.5	95.2	94.8	95.0
Vnom	430	89.5	92.3	95.0	95.8	95.6	95.3	95.1
Vmax	480	90.1	93.5	94.7	95.9	95.8	95.5	95.3

CEC Efficiency of inverter and combiner = 95.0%



Manufacturer: Satcon Technology Corporation

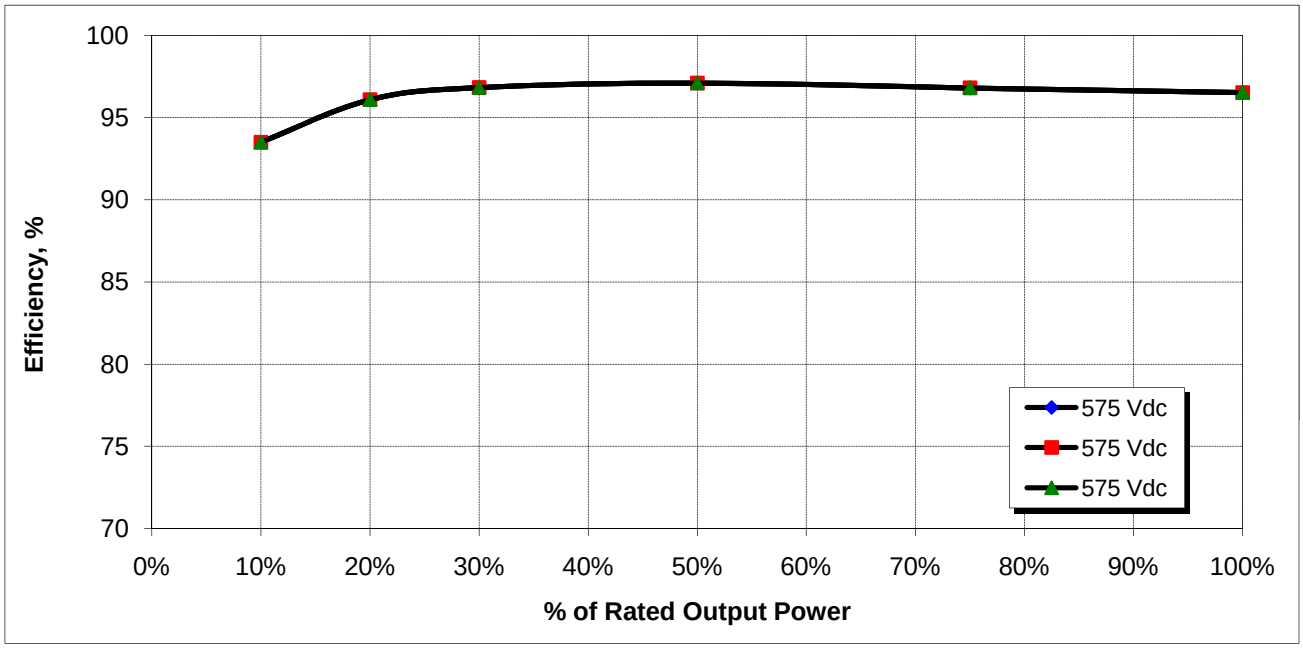
Model #: SDMS0100208LNIU

Rated Maximum Continuous Output Power: 100.00 kW Night Tare Loss: 60.38 W

Vmin: 575 Vdc Vnom: 575 Vdc Vmax: 575 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	575	93.5	96.1	96.8	97.1	96.8	96.5	96.7
Vnom	575	93.5	96.1	96.8	97.1	96.8	96.5	96.7
Vmax	575	93.5	96.1	96.8	97.1	96.8	96.5	96.7

Inverter Efficiency only = 96.5%



S.S. Subcombiner (SSB2512LNU) Efficiency

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	300	97.8	98.1	98.3	98.4	98.3	98.2	98.3
Vnom	430	95.7	96.1	98.1	98.7	98.7	98.7	98.4
Vmax	480	96.4	97.4	97.8	98.8	98.9	98.9	98.6

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	9302.02	576.15	93.56212	9304.9633	576.24	93.53724	9303.1533	576.22	93.46828	9303.14	576.07	93.44694	9303.04	576.2	93.54793
20%	Vmin	21472.6333	576.06	96.05796	21468.233	576.12	95.99118	21459.2	576.07	96.03265	21451.833	575.99	95.97363	21492	576.13	96.14031
30%	Vmin	31684.2	576.01	96.85814	31683.433	576.1	96.85559	31686.033	576.03	96.86246	31684.533	576	96.8051	31661.7667	576.03	96.77151
50%	Vmin	53910.4333	576.04	97.04226	53910.733	576.12	97.05491	53927.733	576.05	97.09921	53941.6	576.07	97.12866	53930.3	576.07	97.10581
75%	Vmin	71188.8333	575.89	96.78748	71202.467	575.96	96.81466	71176.867	575.96	96.77406	71180.233	575.82	96.79794	71201.4	575.94	96.82461
100%	Vmin	95536.2	575.84	96.55059	60.001	575.82	96.47348	95447.467	575.71	96.4915	95560.133	575.78	96.59906	95552.6	575.68	96.57687
10%	Vnom	9302.02	576.15	93.56212	9304.9633	576.24	93.53724	9303.1533	576.22	93.46828	9303.14	576.07	93.44694	9303.04	576.2	93.54793
20%	Vnom	21472.6333	576.06	96.05796	21468.233	576.12	95.99118	21459.2	576.07	96.03265	21451.833	575.99	95.97363	21492	576.13	96.14031
30%	Vnom	31684.2	576.01	96.85814	31683.433	576.1	96.85559	31686.033	576.03	96.86246	31684.533	576	96.8051	31661.7667	576.03	96.77151
50%	Vnom	53910.4333	576.04	97.04226	53910.733	576.12	97.05491	53927.733	576.05	97.09921	53941.6	576.07	97.12866	53930.3	576.07	97.10581
75%	Vnom	71188.8333	575.89	96.78748	71202.467	575.96	96.81466	71176.867	575.96	96.77406	71180.233	575.82	96.79794	71201.4	575.94	96.82461
100%	Vnom	95536.2	575.84	96.55059	60.001	575.82	96.47348	95447.467	575.71	96.4915	95560.133	575.78	96.59906	95552.6	575.68	96.57687
10%	Vmax	9302.02	576.15	93.56212	9304.9633	576.24	93.53724	9303.1533	576.22	93.46828	9303.14	576.07	93.44694	9303.04	576.2	93.54793
20%	Vmax	21472.6333	576.06	96.05796	21468.233	576.12	95.99118	21459.2	576.07	96.03265	21451.833	575.99	95.97363	21492	576.13	96.14031
30%	Vmax	31684.2	576.01	96.85814	31683.433	576.1	96.85559	31686.033	576.03	96.86246	31684.533	576	96.8051	31661.7667	576.03	96.77151
50%	Vmax	53910.4333	576.04	97.04226	53910.733	576.12	97.05491	53927.733	576.05	97.09921	53941.6	576.07	97.12866	53930.3	576.07	97.10581
75%	Vmax	71188.8333	575.89	96.78748	71202.467	575.96	96.81466	71176.867	575.96	96.77406	71180.233	575.82	96.79794	71201.4	575.94	96.82461
100%	Vmax	95536.2	575.84	96.55059	60.001	575.82	96.47348	95447.467	575.71	96.4915	95560.133	575.78	96.59906	95552.6	575.68	96.57687

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	9302.56667	576.17	93.44675	9302.6267	576.03	93.48069									
20%	Vmin	21502.6333	576.02	96.19029	21501.2	576.05	96.19694									
30%	Vmin	31686.0333	576.05	96.81244	31676.033	576.2	96.796									
50%	Vmin	53915.6667	575.95	97.12347	53950.4	576.03	97.15419									
75%	Vmin	71167.7333	575.81	96.79213	71175.667	575.81	96.80866									
100%	Vmin	95478.4333	575.72	96.51	60.000333	575.67	96.4658									
10%	Vnom	9302.56667	576.17	93.44675	9302.6267	576.03	93.48069									
20%	Vnom	21502.6333	576.02	96.19029	21501.2	576.05	96.19694									
30%	Vnom	31686.0333	576.05	96.81244	31676.033	576.2	96.796									
50%	Vnom	53915.6667	575.95	97.12347	53950.4	576.03	97.15419									
75%	Vnom	71167.7333	575.81	96.79213	71175.667	575.81	96.80866									
100%	Vnom	95478.4333	575.72	96.51	60.000333	575.67	96.4658									
10%	Vmax	9302.56667	576.17	93.44675	9302.6267	576.03	93.48069									
20%	Vmax	21502.6333	576.02	96.19029	21501.2	576.05	96.19694									
30%	Vmax	31686.0333	576.05	96.81244	31676.033	576.2	96.796									
50%	Vmax	53915.6667	575.95	97.12347	53950.4	576.03	97.15419									
75%	Vmax	71167.7333	575.81	96.79213	71175.667	575.81	96.80866									
100%	Vmax	95478.4333	575.72	96.51	60.000333	575.67	96.4658									