Manufacturer: Ingeteam S.A.

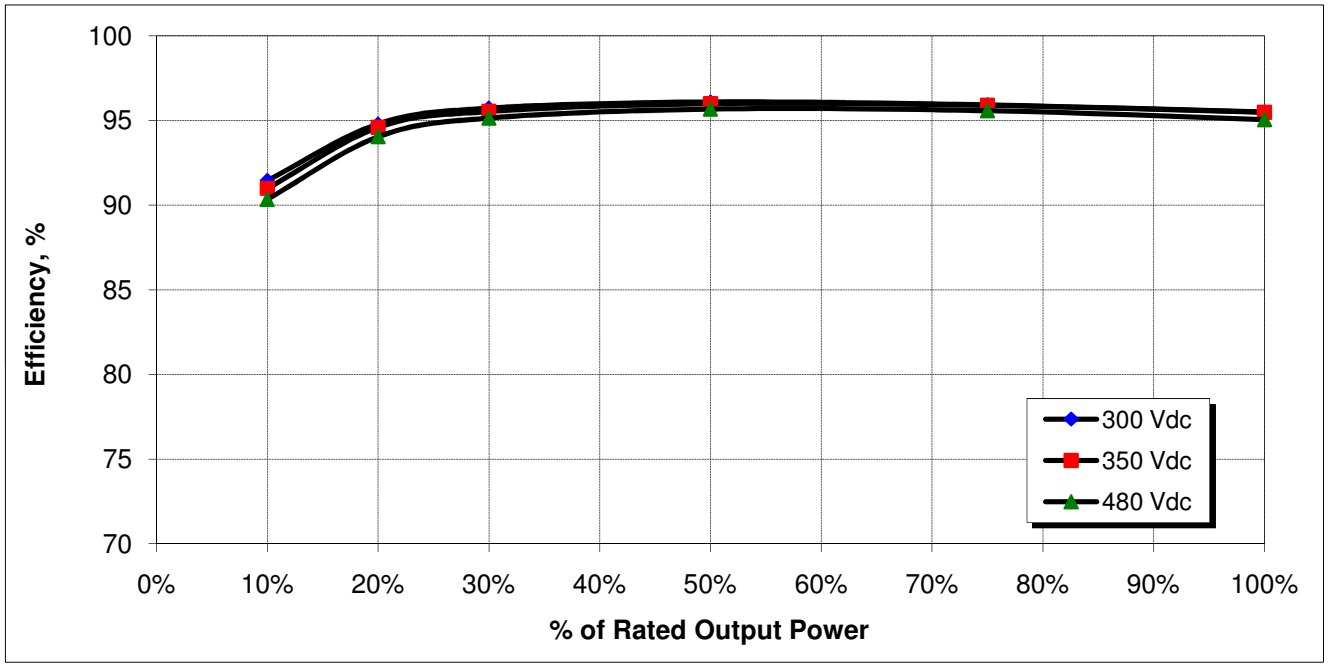
Model #: INGECON SUN 25U 208V

Rated Maximum Continuous Output Power @25°C: 25.0 kW Night Tare Loss: 2 W
Rated Maximum Continuous Output Power @40°C: 25.0 kW Night Tare Loss: 2 W

Vmin: 300 Vdc Vnom: 350 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		2.50	5.00	7.50	12.50	18.75	25.00	Wtd
Vmin	300	91.5	94.8	95.7	96.1	95.9	95.5	95.67
Vnom	350	91.0	94.6	95.5	96.0	95.9	95.5	95.59
Vmax	480	90.3	94.0	95.1	95.7	95.6	95.0	95.23

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	2380.2	304.0	91.5	2457.0	304.1	91.5	2442.4	304.1	91.5	2428.1	304.0	91.4	2404.2	304.0	91.4
20%	Vmin	5417.3	303.5	94.7	5363.9	303.6	94.8	5348.1	303.6	94.8	5363.7	303.5	94.8	5333.6	303.5	94.8
30%	Vmin	8064.2	303.4	95.8	8070.0	303.4	95.6	8054.8	303.4	95.7	8046.8	303.4	95.8	8037.1	303.4	95.8
50%	Vmin	13659.2	303.3	96.1	13691.2	303.2	96.1	13666.6	303.3	96.1	13621.4	303.2	96.1	13653.0	303.1	96.1
75%	Vmin	17833.3	304.0	95.9	17803.3	304.1	95.9	17785.2	304.1	95.9	17756.4	304.0	96.0	17846.2	304.1	95.9
100%	Vmin	23878.9	302.8	95.5	23929.8	302.9	95.5	23924.6	302.9	95.5	23997.0	302.9	95.5	23849.0	303.0	95.5
10%	Vnom	2377.2	351.0	91.1	2403.3	351.0	90.9	2441.9	351.0	91.2	2342.3	351.0	90.7	2361.6	351.0	90.8
20%	Vnom	5375.0	350.6	94.6	5363.0	350.6	94.6	5337.4	350.6	94.5	5312.9	350.6	94.6	5396.4	350.6	94.5
30%	Vnom	8031.7	350.2	95.5	8058.5	350.2	95.5	8043.1	350.2	95.5	8097.6	350.1	95.5	8011.9	350.1	95.5
50%	Vnom	13557.3	349.2	96.0	13501.4	349.2	96.0	13498.6	349.2	96.0	13561.8	349.2	96.0	13534.9	349.2	96.0
75%	Vnom	17668.5	349.4	95.9	17668.9	349.4	95.9	17662.4	349.5	95.9	17683.1	349.5	95.9	17706.2	349.5	95.9
100%	Vnom	23944.8	349.5	95.5	23929.7	349.5	95.5	23913.0	349.4	95.5	23943.9	349.5	95.5	23917.6	349.4	95.4
10%	Vmax	2418.8	481.0	90.4	2381.6	481.1	90.3	2379.0	481.1	89.9	2450.1	481.1	90.6	2410.1	481.1	90.2
20%	Vmax	5373.1	481.0	94.0	5354.7	481.0	93.9	5373.3	481.0	94.0	5378.3	480.9	94.2	5380.7	481.0	94.0
30%	Vmax	7890.4	479.3	95.2	7808.9	479.3	95.2	7927.0	479.2	95.0	8086.2	479.2	95.3	8061.0	479.2	95.1
50%	Vmax	13556.1	481.0	95.6	13540.9	481.0	95.7	13544.3	481.1	95.7	13492.6	481.0	95.7	13482.8	481.1	95.7
75%	Vmax	17708.3	481.4	95.6	17704.1	481.4	95.6	17697.4	481.4	95.6	17691.1	481.4	95.6	17670.8	481.4	95.6
100%	Vmax	23856.8	481.8	95.0	23802.7	481.8	95.0	23817.1	481.8	95.1	23852.9	481.8	95.0	23872.1	481.8	95.0

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	2449.6	304.0	91.5	2421.4	304.1	91.4									
20%	Vmin	5352.0	303.5	94.8	5373.4	303.7	94.8									
30%	Vmin	8045.7	303.4	95.7	8062.3	303.4	95.7									
50%	Vmin	13634.4	303.0	96.1	13694.4	303.0	96.1									
75%	Vmin	17810.0	303.9	95.9	17813.9	304.0	95.9									
100%	Vmin	23863.1	303.0	95.5	24005.1	303.0	95.5									
10%	Vnom	2375.3	351.0	91.0	2374.9	351.0	91.2									
20%	Vnom	5390.2	350.6	94.5	5339.2	350.6	94.8									
30%	Vnom	8013.0	350.1	95.6	8024.5	350.1	95.5									
50%	Vnom	13510.2	349.2	96.0	13537.3	349.3	96.0									
75%	Vnom	17667.3	349.5	95.9	17704.3	349.5	95.9									
100%	Vnom	23923.3	349.4	95.5	23915.2	349.5	95.5									
10%	Vmax	2373.3	481.1	90.3	2429.5	481.1	90.7									
20%	Vmax	5374.5	480.9	94.0	5361.3	480.9	94.1									
30%	Vmax	8004.1	479.2	95.1	7991.1	479.1	95.2									
50%	Vmax	13533.7	481.1	95.7	13505.6	481.1	95.6									
75%	Vmax	17695.3	481.4	95.6	17685.2	481.3	95.6									
100%	Vmax	23903.0	481.8	95.0	23871.5	481.8	95.1									