Manufacturer: Ingeteam S.A.

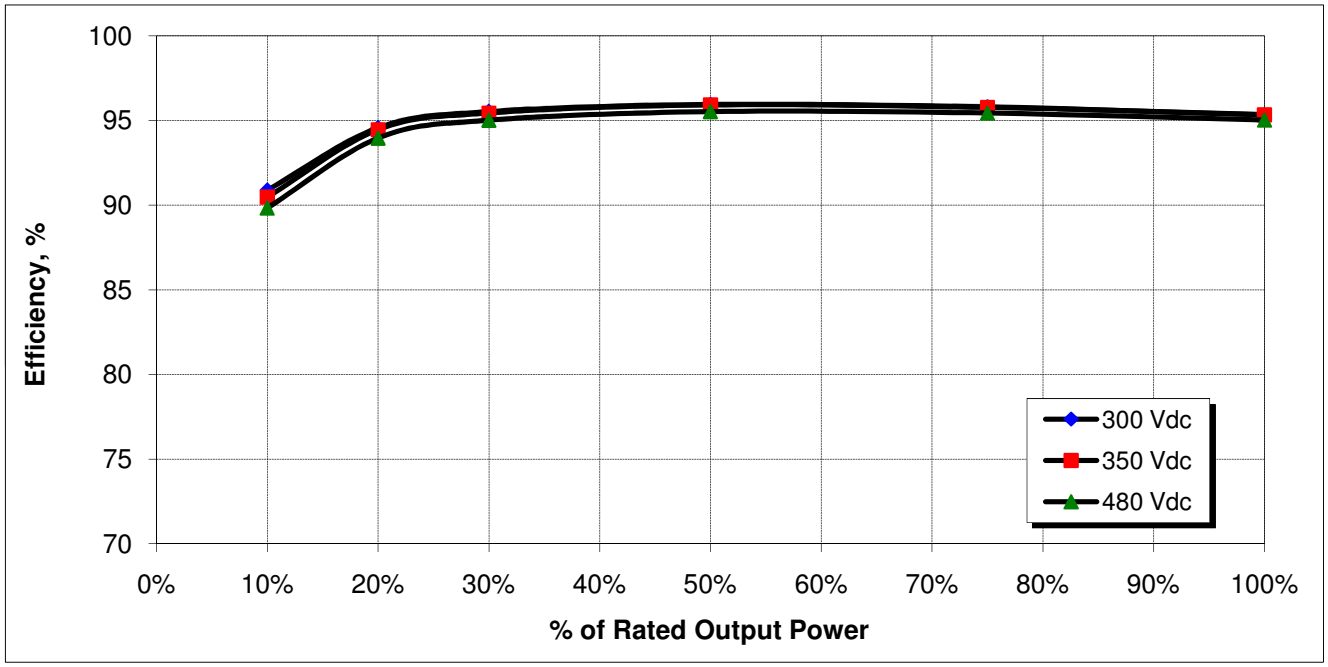
Model #: INGECON SUN 25U 480V

Rated Maximum Continuous Output Power @25°C: 25.0 kW Night Tare Loss: 4 W
Rated Maximum Continuous Output Power @40°C: 25.0 kW Night Tare Loss: 4 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	90.9	94.6	95.5	95.9	95.8	95.3	95.5
Vnom	350	90.5	94.5	95.4	95.9	95.8	95.3	95.5
Vmax	480	89.8	94.0	95.0	95.5	95.4	95.0	95.1

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	2428.0	304.1	90.8	2420.9	304.1	90.8	2431.1	304.1	90.9	2423.0	304.0	91.0	2428.9	304.0	91.0
20%	Vmin	5445.3	303.7	94.6	5437.4	303.7	94.5	5432.3	303.7	94.6	5437.3	303.6	94.6	5436.7	303.6	94.6
30%	Vmin	8001.3	308.0	95.5	8012.3	303.4	95.5	7988.9	303.4	95.6	7980.2	303.5	95.5	7986.0	303.5	95.5
50%	Vmin	13568.1	313.0	96.0	13586.0	303.9	95.9	13565.6	303.9	95.9	13583.5	303.9	96.0	13587.5	303.9	95.9
75%	Vmin	17757.0	304.4	95.8	17762.9	304.4	95.8	17756.6	304.5	95.8	17733.4	304.5	95.8	17757.7	304.4	95.8
100%	Vmin	23971.3	302.7	95.4	23962.7	302.6	95.3	23907.9	302.6	95.3	23951.6	302.6	95.4	23976.6	302.7	95.3
10%	Vnom	2403.4	349.7	90.6	2405.6	349.6	90.3	2421.4	349.6	90.5	2423.0	349.6	90.7	2407.0	349.6	90.2
20%	Vnom	5421.0	350.7	94.3	5401.8	350.7	94.5	5419.1	350.7	94.5	5406.8	350.6	94.5	5407.6	350.7	94.5
30%	Vnom	7961.1	348.9	95.5	7936.0	348.9	95.5	7952.7	349.0	95.5	7948.6	349.0	95.3	7965.7	349.0	95.4
50%	Vnom	13622.2	348.2	95.9	13593.1	348.2	95.9	13584.5	348.2	95.9	13575.6	348.2	95.9	13574.2	348.2	95.9
75%	Vnom	17723.8	349.8	95.8	17735.2	349.8	95.8	17704.6	349.8	95.8	17710.9	349.8	95.8	17716.5	349.8	95.8
100%	Vnom	23938.1	349.3	95.4	23913.4	349.4	95.3	23932.6	349.4	95.3	23963.4	349.3	95.3	23964.8	349.3	95.3
10%	Vmax	2349.2	481.2	90.3	2210.1	481.3	89.1	2336.1	481.3	89.5	2437.1	481.2	90.0	2478.9	481.2	90.1
20%	Vmax	5385.0	479.6	94.0	5380.0	479.6	94.2	5383.0	479.6	93.6	5374.7	479.6	94.1	5392.6	479.6	94.0
30%	Vmax	7893.8	479.0	95.0	7923.1	479.0	95.1	7924.9	479.0	95.0	7931.6	479.0	95.0	7942.1	479.1	95.1
50%	Vmax	13550.5	481.0	95.5	13550.1	480.9	95.5	13526.8	480.9	95.5	13564.3	480.9	95.6	13559.5	480.9	95.5
75%	Vmax	17689.9	478.5	95.5	17678.5	478.6	95.4	17693.7	478.6	95.4	17667.9	478.6	95.4	17703.2	478.6	95.4
100%	Vmax	23792.6	480.3	95.0	23783.9	480.3	95.1	23832.7	480.3	95.1	23857.3	480.3	95.1	23838.2	480.3	95.2

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	2423.8	304.1	90.9	2425.5	304.1	90.7									
20%	Vmin	5439.8	303.7	94.6	5434.8	303.7	94.5									
30%	Vmin	8011.8	303.5	95.5	7980.3	303.5	95.5									
50%	Vmin	13564.2	303.9	95.9	13579.8	303.9	96.0									
75%	Vmin	17736.5	304.4	95.8	17734.0	304.4	95.8									
100%	Vmin	23922.5	302.6	95.3	23975.1	302.6	95.2									
10%	Vnom	2415.5	349.7	90.4	2417.3	349.6	90.6									
20%	Vnom	5415.4	350.7	94.5	5417.5	350.7	94.4									
30%	Vnom	7960.7	349.0	95.4	7961.1	349.1	95.5									
50%	Vnom	13578.9	348.2	95.9	13590.2	348.2	95.9									
75%	Vnom	17721.2	349.8	95.8	17699.4	349.8	95.8									
100%	Vnom	23933.7	349.3	95.3	23916.1	349.3	95.3									
10%	Vmax	2468.9	481.3	90.1	2409.8	481.3	89.7									
20%	Vmax	5381.7	479.5	93.8	5390.4	479.6	93.8									
30%	Vmax	7923.4	479.1	95.0	7918.7	479.2	95.0									
50%	Vmax	13545.1	480.9	95.5	13532.9	480.9	95.5									
75%	Vmax	17683.5	478.6	95.4	17668.8	478.6	95.4									
100%	Vmax	23800.3	480.4	94.8	23767.7	480.3	94.8									