Manufacturer: **Ingeteam S.A.**

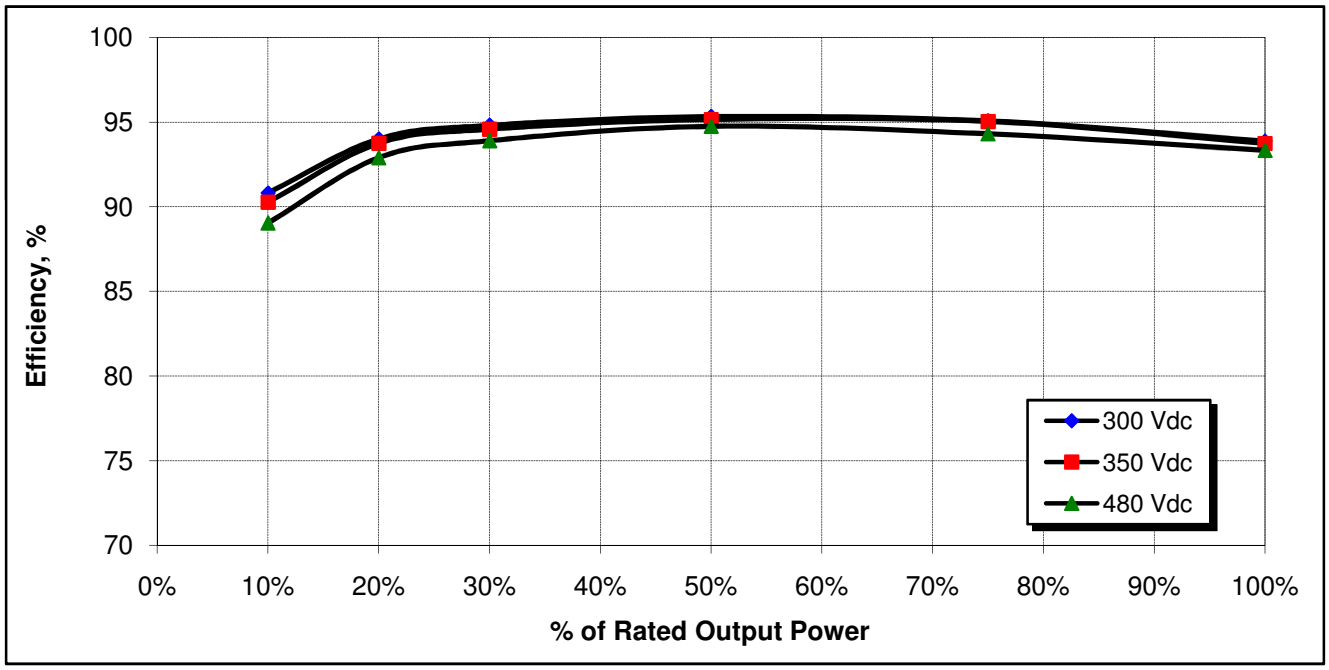
Model #: **INGECON SUN 100U_208V**

Rated Maximum Continuous Output Power: 100.0 kW Night Tare Loss: 1 W

Vmin: 300 Vdc Vnom: 350 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	90.8	94.0	94.8	95.3	95.1	93.9	94.8
Vnom	350	90.3	93.7	94.6	95.2	95.0	93.7	94.7
Vmax	480	89.0	92.9	93.9	94.8	94.3	93.3	94.0

CEC Efficiency = 94.5%



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	9717.4	303.3	90.9	9710.4	304.0	90.7	9703.6	304.0	90.8	9715.6	304.0	90.8	9703.7	304.0	90.8
20%	Vmin	21800.3	303.9	94.0	21805.2	303.9	94.0	21797.6	303.8	94.0	21791.3	303.8	94.0	21786.3	303.8	94.0
30%	Vmin	31844.1	303.2	94.8	32234.8	303.2	94.8	32226.0	303.2	94.8	32210.5	303.2	94.8	32220.4	303.2	94.8
50%	Vmin	54504.4	304.3	95.3	54543.6	304.3	95.3	54563.2	304.3	95.4	54541.0	304.3	95.4	54537.8	304.2	95.4
75%	Vmin	71082.0	303.6	95.2	70404.4	303.6	95.0	70408.6	303.6	95.1	70426.7	303.6	95.1	70417.1	303.5	95.1
100%	Vmin	95303.0	304.5	93.9	95210.5	304.5	94.0	95320.6	304.4	93.8	95271.5	304.3	93.8	95354.9	304.4	93.9
10%	Vnom	9617.8	349.8	90.2	9630.7	349.8	90.3	9630.0	349.8	90.3	9630.0	349.8	90.4	9632.0	349.8	90.1
20%	Vnom	21862.1	348.2	93.8	21749.5	348.2	93.8	21740.3	348.2	93.8	21749.8	348.1	93.8	21740.4	348.2	93.7
30%	Vnom	32409.3	347.4	94.6	32418.7	347.5	94.6	32411.8	347.5	94.6	32421.3	347.5	94.6	32404.2	347.5	94.5
50%	Vnom	54352.8	347.0	95.1	54488.4	347.0	95.2	54482.5	347.1	95.1	54506.7	347.1	95.2	54497.6	347.1	95.2
75%	Vnom	70934.4	347.2	95.0	70598.5	347.1	95.0	70569.6	347.1	95.0	70577.6	347.1	95.0	70610.8	347.1	95.1
100%	Vnom	95596.9	348.3	93.8	95655.7	348.2	93.8	95491.4	348.2	93.7	95700.4	348.1	93.8	95474.2	348.4	93.6
10%	Vmax	9632.4	481.8	89.0	9625.5	481.8	88.9	9629.0	481.8	89.0	9623.4	481.8	89.0	9790.3	481.8	89.0
20%	Vmax	21723.1	481.6	92.9	21716.3	481.6	92.9	21718.8	481.6	92.9	21719.5	481.6	92.9	21733.7	481.6	92.9
30%	Vmax	32155.3	481.0	93.9	32141.0	480.9	93.9	32181.9	481.0	93.9	32172.3	480.9	93.9	32173.9	481.0	94.0
50%	Vmax	54134.7	481.9	94.7	54477.0	481.9	94.7	54473.4	481.9	94.7	54458.3	481.9	95.0	54493.9	481.9	94.5
75%	Vmax	70628.9	481.4	93.4	70977.5	481.4	93.9	70616.4	481.4	94.6	70501.6	481.4	94.5	70509.9	481.3	94.5
100%	Vmax	95633.5	481.2	93.3	95838.0	481.3	93.3	95739.4	481.3	93.4	95684.5	481.4	93.3	95724.9	481.3	93.4

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	9710.0	303.9	90.8	9716.6	303.9	90.8									
20%	Vmin	21778.0	303.8	94.0	21783.1	303.8	94.0									
30%	Vmin	32210.7	303.2	94.8	32218.6	303.3	94.8									
50%	Vmin	54554.0	304.2	95.4	54565.4	304.2	95.3									
75%	Vmin	70409.3	303.5	95.1	70408.0	303.5	95.1									
100%	Vmin	95445.5	304.3	93.9	95409.8	304.5	93.8									
10%	Vnom	9638.6	349.8	90.4	9633.7	349.7	90.3									
20%	Vnom	21742.3	348.2	93.7	21739.6	348.2	93.7									
30%	Vnom	32412.0	347.5	94.6	32423.7	347.5	94.6									
50%	Vnom	54493.8	347.1	95.1	54514.5	347.2	95.2									
75%	Vnom	70590.3	347.0	95.1	70601.9	347.0	95.1									
100%	Vnom	95508.4	348.1	93.7	95547.0	348.2	93.8									
10%	Vmax	9855.0	481.8	89.2	9856.4	481.8	89.2									
20%	Vmax	21727.2	481.6	92.9	21719.1	481.7	93.0									
30%	Vmax	32166.3	481.0	93.9	32155.2	481.0	93.9									
50%	Vmax	54472.3	481.9	94.7	54472.0	482.0	95.0									
75%	Vmax	70574.1	481.3	94.6	70533.1	481.3	94.5									
100%	Vmax	95649.0	481.3	93.3	95640.3	481.3	93.3									