Manufacturer: Ingeteam S.A.

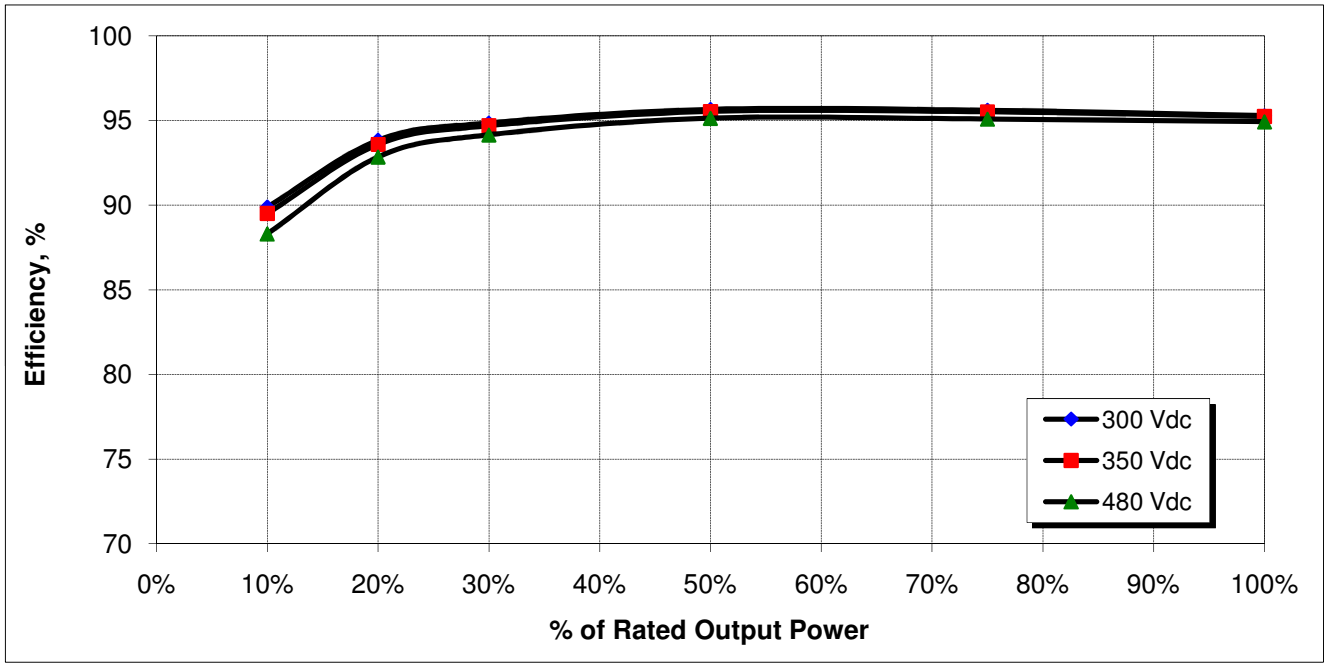
Model #: INGECON SUN 15U 480V

Rated Maximum Continuous Output Power @25°C: 15.0 kW Night Tare Loss: 4 W
Rated Maximum Continuous Output Power @40°C: 15.0 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)		1.50	3.00	4.50	7.50	11.25	15.00	Wtd
Vmin	300	89.9	93.8	94.8	95.7	95.6	95.3	95.2
Vnom	350	89.5	93.6	94.7	95.5	95.5	95.2	95.1
Vmax	480	88.3	92.8	94.1	95.1	95.1	94.9	94.6

CEC Efficiency = 95.0%



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	1372.4	305.3	90.1	1376.8	305.2	89.9	1382.8	305.3	89.6	1377.8	305.3	89.8	1387.3	305.3	89.7
20%	Vmin	3264.5	307.1	93.8	3281.8	305.2	93.9	3270.9	305.1	94.0	3270.4	305.1	93.7	3277.5	305.2	93.8
30%	Vmin	4636.0	303.6	94.8	4620.6	303.6	94.9	4636.4	303.6	94.8	4627.9	303.6	94.8	4641.2	303.6	94.8
50%	Vmin	8143.0	306.0	95.7	8146.0	306.0	95.6	8138.5	306.0	95.6	8129.4	306.0	95.6	8126.0	305.9	95.6
75%	Vmin	10615.8	305.5	95.6	10583.6	305.5	95.6	10602.8	305.5	95.6	10585.5	305.5	95.6	10590.3	305.6	95.6
100%	Vmin	14409.6	304.6	95.3	14420.5	304.6	95.3	14413.5	304.6	95.3	14436.2	304.6	95.3	14397.6	304.6	95.3
10%	Vnom	1366.8	351.1	89.5	1378.9	351.1	89.7	1363.6	351.0	89.6	1371.9	351.0	89.7	1361.4	351.0	89.4
20%	Vnom	3246.1	349.6	93.5	3266.3	349.6	93.7	3243.5	349.6	93.7	3245.6	349.6	93.3	3255.3	349.6	93.7
30%	Vnom	4617.6	350.9	94.8	4616.0	350.9	94.6	4623.7	350.9	94.8	4622.3	350.9	94.7	4605.8	350.9	94.7
50%	Vnom	8111.8	350.5	95.5	8114.3	350.4	95.5	8099.2	350.4	95.5	8117.1	350.4	95.6	8136.8	350.4	95.5
75%	Vnom	10598.0	351.4	95.5	10607.3	351.4	95.5	10581.0	351.4	95.4	10582.2	351.4	95.5	10589.4	351.4	95.5
100%	Vnom	14398.5	349.5	95.3	14398.1	349.5	95.2	14382.4	349.5	95.3	14417.8	349.5	95.2	14414.6	349.4	95.2
10%	Vmax	1298.5	480.0	88.2	1370.9	480.0	88.6	1352.3	480.0	88.3	1366.3	480.0	88.3	1360.4	480.0	88.0
20%	Vmax	3240.8	481.5	92.8	3233.3	481.5	93.0	3248.4	481.5	92.9	3233.0	481.5	92.7	3240.8	481.5	93.1
30%	Vmax	4608.4	481.3	94.1	4597.5	481.3	93.9	4605.3	481.3	94.3	4603.4	481.3	94.1	4619.9	481.3	94.2
50%	Vmax	8102.7	482.4	95.2	8110.7	482.4	95.1	8085.3	482.4	95.2	8112.3	482.4	95.2	8104.8	482.4	95.2
75%	Vmax	10560.1	480.3	95.0	10581.3	480.4	95.2	10549.8	480.4	95.0	10565.8	480.4	95.1	10570.8	480.5	95.1
100%	Vmax	14386.2	480.8	94.9	14376.3	480.8	94.9	14410.2	480.8	94.9	14391.7	480.8	94.9	14379.8	480.7	94.9

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	1380.7	305.3	89.8	1365.3	305.3	90.3									
20%	Vmin	3271.6	305.1	93.8	3264.8	305.2	93.8									
30%	Vmin	4641.8	303.6	95.0	4621.7	303.6	94.8									
50%	Vmin	8140.8	306.0	95.7	8143.4	305.9	95.7									
75%	Vmin	10591.5	305.6	95.6	10588.9	305.6	95.6									
100%	Vmin	14431.5	304.5	95.3	14395.7	304.5	95.2									
10%	Vnom	1354.8	351.1	89.4	1372.1	351.1	89.4									
20%	Vnom	3241.2	349.5	93.5	3263.0	349.6	93.6									
30%	Vnom	4621.8	350.9	94.6	4630.7	350.9	94.8									
50%	Vnom	8125.8	350.4	95.5	8096.6	350.4	95.6									
75%	Vnom	10605.5	351.4	95.6	10591.5	351.4	95.5									
100%	Vnom	14424.6	349.4	95.2	14382.6	349.4	95.2									
10%	Vmax	1362.7	480.0	88.4	1365.9	480.0	88.2									
20%	Vmax	3259.3	481.4	92.6	3243.5	481.5	92.8									
30%	Vmax	4596.3	481.3	94.3	4597.2	481.0	94.1									
50%	Vmax	8103.0	482.4	95.1	8089.9	482.4	94.8									
75%	Vmax	10594.3	480.5	95.1	10580.2	480.5	95.0									
100%	Vmax	14370.1	480.7	94.9	14370.9	480.8	95.0									