Manufacturer: Ingeteam S.A.

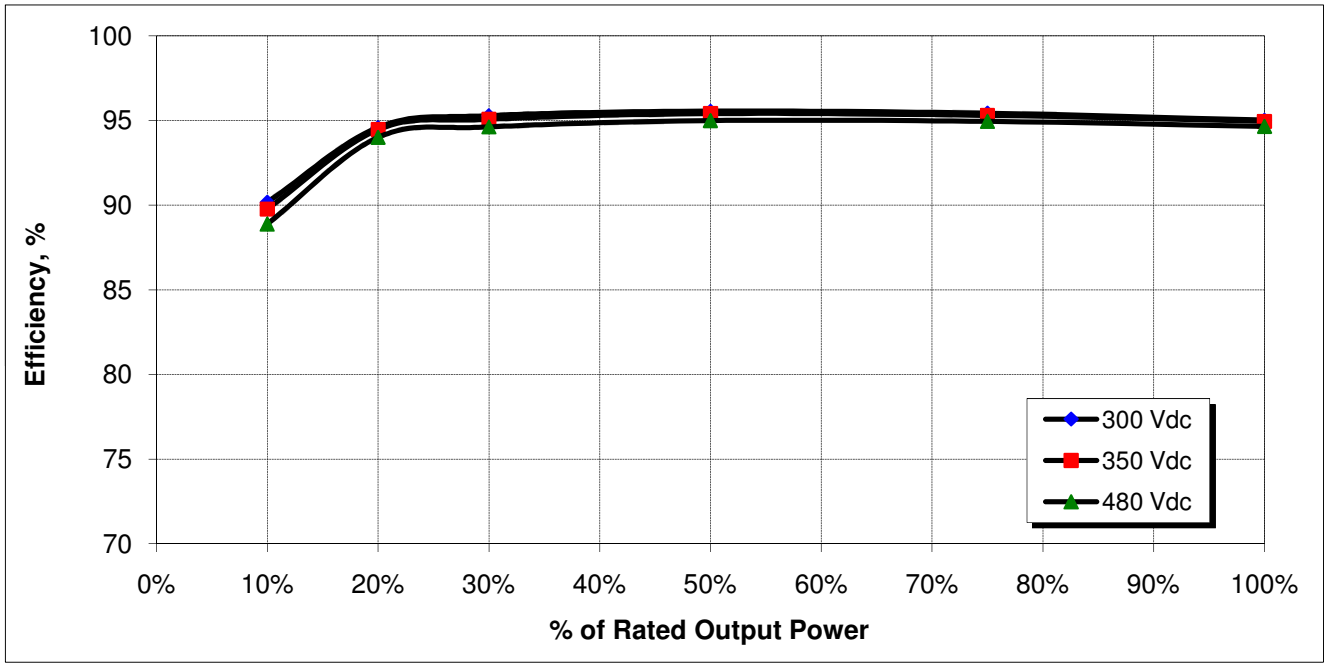
Model #: INGECON SUN 15U 208V

Rated Maximum Continuous Output Power @25°C: 15.0 kW Night Tare Loss: 2 W
Rated Maximum Continuous Output Power @40°C: 15.0 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)		1.50	3.00	4.50	7.50	11.25	15.00	Wtd
Vmin	300	90.2	94.6	95.3	95.5	95.4	95.0	95.2
Vnom	350	89.8	94.5	95.1	95.4	95.3	94.9	95.0
Vmax	480	88.9	94.0	94.6	95.0	95.0	94.7	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	1420.9	304.4	90.3	1406.8	304.4	90.1	1378.9	304.4	90.1	1380.0	304.4	90.2	1396.9	304.4	90.0
20%	Vmin	3208.7	304.4	94.5	3214.1	304.4	94.6	3203.3	304.4	94.6	3195.1	304.4	94.6	3168.5	304.4	94.7
30%	Vmin	4679.0	304.2	95.3	4652.0	304.2	95.3	4712.4	304.2	95.3	4712.5	304.2	95.4	4638.6	304.2	95.1
50%	Vmin	8062.4	305.2	95.6	8026.4	305.2	95.6	8030.0	305.2	95.6	8099.9	305.2	95.5	8090.8	305.2	95.5
75%	Vmin	10694.2	304.7	95.4	10761.7	304.7	95.4	10694.5	304.7	95.4	10712.1	304.7	95.5	10679.9	304.7	95.4
100%	Vmin	14495.5	304.0	95.0	14458.7	304.0	95.0	14471.7	304.1	95.0	14437.0	304.1	95.1	14549.3	304.0	95.0
10%	Vnom	1420.7	349.9	90.1	1340.8	350.3	90.0	1385.9	350.3	89.8	1424.5	350.2	90.1	1343.5	350.3	89.4
20%	Vnom	3238.7	350.3	94.2	3179.4	350.3	94.7	3148.8	350.3	94.4	3184.3	350.3	94.3	3238.6	350.2	94.5
30%	Vnom	4664.5	349.9	95.0	4634.0	350.0	95.2	4630.5	350.0	95.0	4588.4	350.0	95.2	4634.4	350.0	95.0
50%	Vnom	7968.4	351.1	95.4	7992.1	351.1	95.4	8001.4	351.1	95.3	8018.6	351.1	95.5	8009.3	351.1	95.3
75%	Vnom	10727.0	350.3	95.4	10691.0	350.6	95.3	10730.5	350.6	95.4	10649.5	350.6	95.3	10699.9	350.7	95.3
100%	Vnom	14416.3	350.5	95.0	14424.3	350.5	95.0	14434.6	350.5	95.0	14439.0	350.5	94.9	14410.8	350.4	94.9
10%	Vmax	1360.5	480.8	89.4	1444.3	480.7	89.7	1444.9	480.7	88.5	1428.6	480.7	88.9	1404.7	480.7	88.6
20%	Vmax	3072.9	482.1	93.9	3173.5	482.1	94.0	3176.1	482.1	94.1	3211.0	482.1	93.7	3192.4	482.1	93.9
30%	Vmax	4602.5	480.7	94.6	4642.1	480.7	94.6	4676.8	480.7	94.6	4648.0	480.6	94.6	4639.1	480.6	94.5
50%	Vmax	7925.6	480.1	95.0	7943.2	480.1	95.0	7918.5	480.2	94.9	7904.5	480.2	95.0	7965.1	480.1	95.1
75%	Vmax	10698.4	479.9	95.1	10659.2	479.9	95.0	10679.0	479.8	94.8	10667.3	479.9	95.0	10656.2	479.8	94.9
100%	Vmax	14423.0	481.1	94.7	14421.4	481.1	94.7	14490.9	481.1	94.6	14450.5	481.1	94.7	14396.4	481.2	94.7

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	1342.1	304.4	90.2	1399.2	304.4	90.2									
20%	Vmin	3122.1	304.4	94.7	3151.0	304.4	94.4									
30%	Vmin	4669.9	304.2	95.3	4667.4	304.2	95.3									
50%	Vmin	8094.8	305.2	95.6	8053.4	305.3	95.6									
75%	Vmin	10756.9	304.7	95.4	10689.5	304.7	95.4									
100%	Vmin	14465.2	304.1	95.0	14453.4	304.1	95.0									
10%	Vnom	1397.0	350.2	90.0	1317.0	350.3	89.1									
20%	Vnom	3212.4	350.3	94.4	3223.9	350.2	94.7									
30%	Vnom	4635.1	350.0	95.1	4583.0	350.0	95.0									
50%	Vnom	8029.7	351.1	95.5	8055.9	351.0	95.4									
75%	Vnom	10649.7	350.7	95.2	10609.8	350.6	95.3									
100%	Vnom	14454.5	350.3	94.9	14395.9	350.3	94.9									
10%	Vmax	1405.7	480.7	89.0	1365.4	480.8	88.1									
20%	Vmax	3149.9	482.1	94.3	3149.9	482.1	94.1									
30%	Vmax	4626.0	480.6	94.7	4607.0	480.6	94.8									
50%	Vmax	7954.5	480.2	95.0	7939.1	480.2	95.0									
75%	Vmax	10662.0	479.8	94.9	10723.2	479.8	95.0									
100%	Vmax	14456.2	481.1	94.6	14422.2	481.2	94.6									