Manufacturer: iEnergy

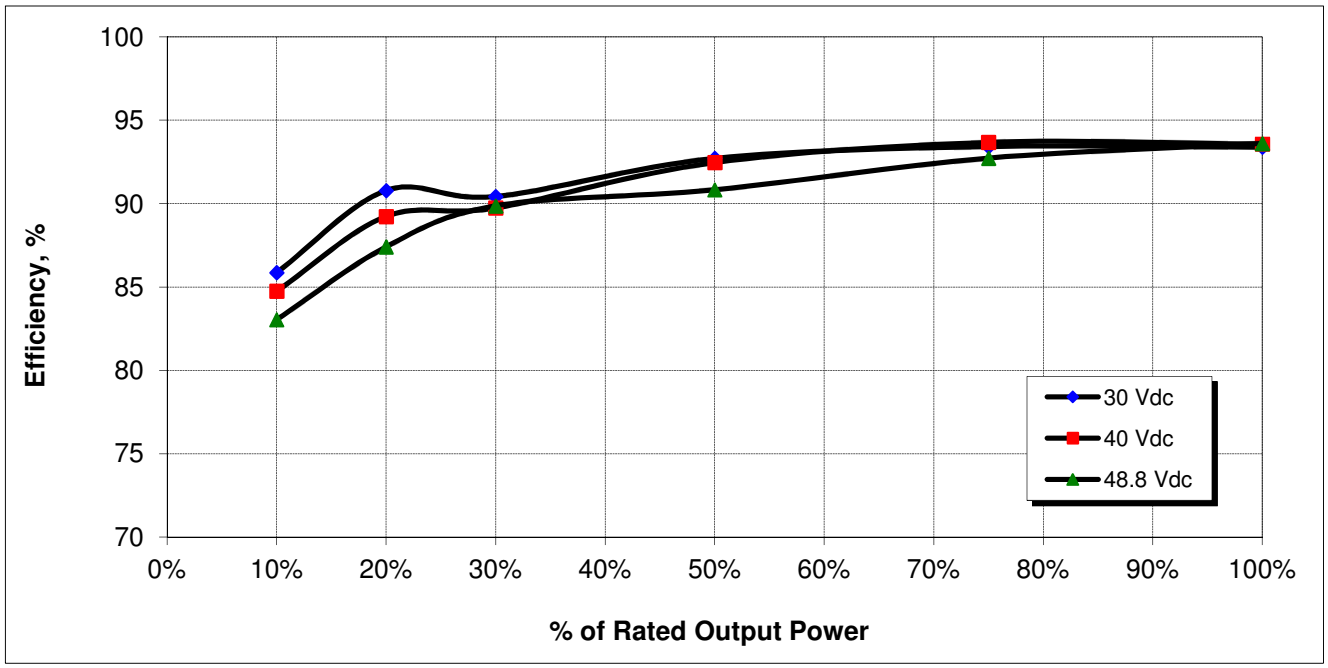
Model #: GT260

Rated Maximum Continuous Output Power: 230.00 W Night Tare Loss: 0.15 W

Vmin: 30 Vdc Vnom: 40 Vdc Vmax: 48.8 Vdc

		Power Level (%; W)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		23.00	46.00	69.00	115.00	172.50	230.00	Wtd
Vmin	30	85.9	90.8	90.4	92.7	93.4	93.4	92.5
Vnom	40	84.7	89.2	89.7	92.5	93.7	93.6	92.4
Vmax	48.8	83.0	87.4	89.9	90.8	92.7	93.6	91.4

CEC Efficiency = 92.0%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	21.3	31.5	86.9	20.6	29.7	83.4	21.6	30.0	87.2	21.4	30.3	86.4	21.0	30.5	85.7
20%	Vmin	46.1	30.1	91.8	45.4	30.8	91.0	44.7	31.3	90.1	45.6	29.9	90.8	45.4	30.9	90.8
30%	Vmin	63.3	33.3	91.7	60.3	33.9	90.9	61.9	33.5	90.9	66.5	33.0	92.6	61.6	28.1	83.1
50%	Vmin	116.8	30.0	92.8	116.7	30.6	93.0	116.7	30.4	92.9	116.4	30.4	92.5	116.6	30.2	92.6
75%	Vmin	175.6	30.4	93.5	175.1	30.3	93.2	175.5	30.2	93.4	175.4	30.3	93.4	175.0	30.8	93.5
100%	Vmin	233.3	30.0	93.7	232.3	30.5	93.1	232.5	30.3	93.4	233.9	30.6	93.9	232.5	29.5	93.1
10%	Vnom	20.6	39.2	84.0	20.7	40.9	84.8	20.9	40.0	85.3	20.7	39.9	84.3	21.0	40.5	85.2
20%	Vnom	44.5	40.3	89.1	44.4	39.8	88.8	44.7	39.6	89.4	44.3	40.3	88.7	45.0	39.7	90.0
30%	Vnom	66.0	43.5	91.6	63.6	38.9	88.7	67.3	42.9	91.9	61.6	37.7	82.8	68.4	41.5	91.5
50%	Vnom	116.7	40.5	92.6	115.9	41.0	92.3	115.6	41.4	92.4	116.0	41.1	92.3	116.2	41.1	92.6
75%	Vnom	177.1	40.7	93.7	177.0	40.3	93.6	177.0	40.5	93.7	177.3	40.3	93.8	177.4	40.3	93.8
100%	Vnom	232.3	41.8	93.5	232.7	41.7	93.6	233.0	41.8	93.7	232.6	41.8	93.6	232.4	41.7	93.4
10%	Vmax	20.2	47.0	83.2	20.3	49.5	83.1	20.1	47.1	83.1	21.1	49.9	86.9	20.4	49.9	84.0
20%	Vmax	43.9	49.4	88.0	43.4	50.2	87.8	43.3	50.3	87.7	43.4	49.1	87.1	42.6	50.7	86.7
30%	Vmax	68.2	49.1	90.6	66.1	49.5	88.3	67.5	48.2	89.6	68.7	50.0	91.7	65.7	51.0	88.7
50%	Vmax	114.4	49.3	90.8	113.8	50.0	90.8	114.5	49.5	91.0	114.8	49.4	91.0	113.1	50.4	90.5
75%	Vmax	175.3	49.8	93.0	176.1	49.2	92.9	176.1	48.7	92.9	175.2	48.7	92.5	175.1	48.6	92.4
100%	Vmax	232.4	50.8	93.6	232.5	50.7	93.6	232.8	50.7	93.7	232.2	50.7	93.4	232.2	50.8	93.5

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	20.9	30.6	84.4	21.5	29.8	86.9									
20%	Vmin	45.3	29.9	90.4	45.3	30.8	90.6									
30%	Vmin	65.2	33.4	92.8	66.7	32.0	91.0									
50%	Vmin	116.6	30.4	92.7	116.3	30.5	92.5									
75%	Vmin	175.1	30.4	93.3	175.3	30.7	93.6									
100%	Vmin	233.8	30.4	93.6	232.1	30.5	92.9									
10%	Vnom	20.8	40.4	84.4	20.9	38.7	85.2									
20%	Vnom	44.6	38.8	89.6	44.5	40.5	89.0									
30%	Vnom	65.4	43.7	91.8	67.5	40.4	89.8									
50%	Vnom	116.5	41.3	93.0	115.8	40.9	92.1									
75%	Vnom	177.0	40.2	93.5	176.4	41.0	93.5									
100%	Vnom	233.1	41.7	93.8	232.4	41.7	93.5									
10%	Vmax	19.5	48.0	80.1	19.7	49.4	80.8									
20%	Vmax	42.7	50.5	86.8	43.4	50.4	87.7									
30%	Vmax	66.8	49.9	89.1	67.9	50.3	90.9									
50%	Vmax	113.9	50.1	90.9	114.7	48.7	90.9									
75%	Vmax	175.2	50.0	92.9	174.9	49.0	92.4									
100%	Vmax	232.3	50.7	93.5	232.8	50.8	93.8									