Manufacturer: Enecsys Limited

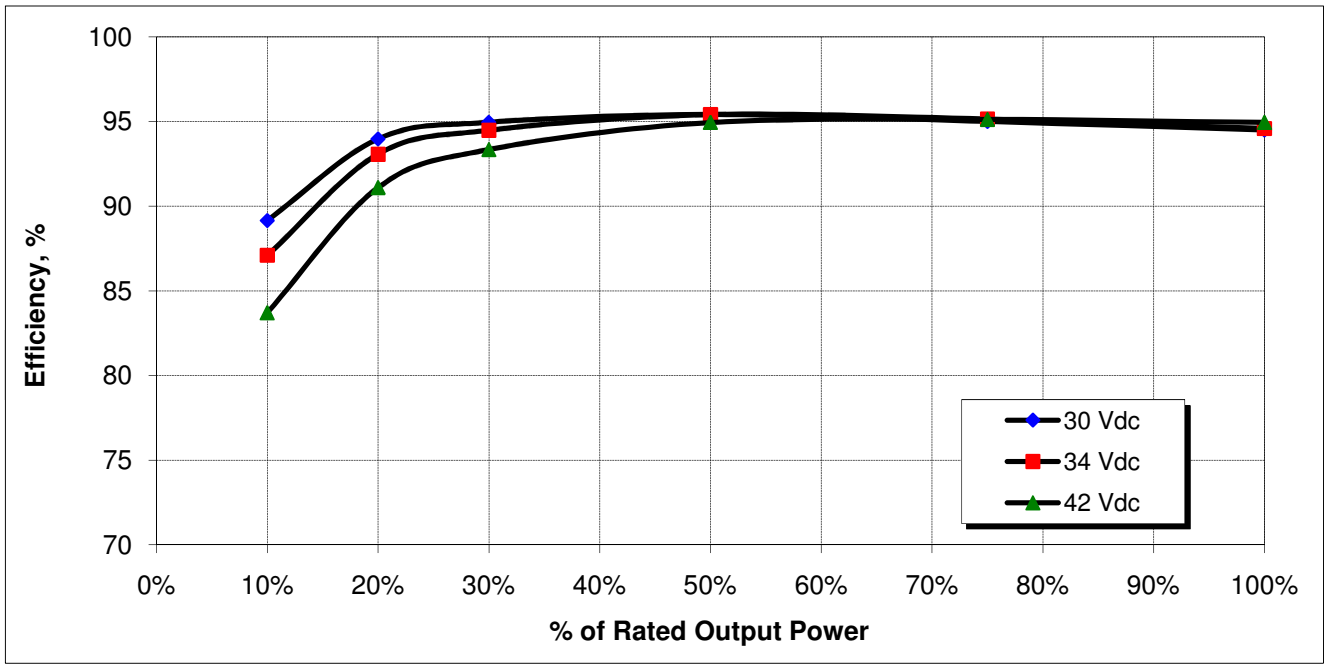
Model #: SMI-360-72

Rated Maximum Continuous Output Power: 340.00 W Night Tare Loss: 0.03 W

Vmin: 30 Vdc Vnom: 34 Vdc Vmax: 42 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		34.00	68.00	102.00	170.00	255.00	340.00	Wtd
Vmin	30	89.1	94.0	95.0	95.4	95.0	94.5	94.8
Vnom	34	87.1	93.1	94.5	95.4	95.1	94.6	94.7
Vmax	42	83.7	91.1	93.3	94.9	95.1	94.9	94.2

CEC Efficiency = 94.5%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample # 01000007708			Sample # 0100010760			Sample # 0100011323			Sample # 0100011242			Sample # 0100011119		
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	32.5	30.3	89.6	31.7	30.9	89.1	32.5	29.9	88.8	32.2	30.4	88.7	32.6	30.2	89.3
20%	Vmin	73.5	30.5	94.1	74.1	30.5	94.1	74.3	30.1	93.8	73.6	30.4	93.8	74.2	30.3	94.0
30%	Vmin	108.8	30.6	95.1	109.7	30.6	95.1	109.4	30.5	94.8	109.1	30.6	94.8	110.2	30.4	95.0
50%	Vmin	190.2	30.8	95.5	187.6	31.1	95.5	190.2	30.9	95.3	189.6	30.9	95.4	188.9	31.0	95.4
75%	Vmin	259.3	31.6	95.1	255.4	31.8	95.1	261.9	31.5	94.9	260.6	31.6	95.0	259.7	31.6	95.0
100%	Vmin	311.6	32.2	94.6	304.5	32.4	94.6	314.7	32.2	94.3	312.4	32.2	94.5	312.1	32.2	94.5
10%	Vnom	30.2	34.0	86.7	31.0	33.8	87.7	31.0	33.5	86.7	31.1	33.9	86.6	31.0	34.3	87.2
20%	Vnom	73.3	34.0	93.3	73.2	34.2	93.3	73.1	33.9	92.8	72.4	34.1	92.8	73.2	34.2	93.2
30%	Vnom	108.9	33.9	94.6	108.8	34.0	94.6	108.8	33.9	94.3	108.9	33.7	94.3	109.4	33.8	94.6
50%	Vnom	174.4	33.5	95.5	174.4	33.7	95.5	174.0	33.7	95.2	174.4	33.6	95.3	174.4	33.7	95.5
75%	Vnom	260.0	33.3	95.2	259.9	33.5	95.2	259.6	33.3	95.0	259.7	33.5	95.1	259.8	33.6	95.2
100%	Vnom	341.5	33.3	94.7	341.3	33.4	94.6	340.3	33.4	94.5	341.9	33.2	94.6	341.8	33.2	94.6
10%	Vmax	30.3	38.8	84.6	28.2	37.7	84.4	27.7	38.0	82.8	28.1	38.8	82.6	28.8	39.8	83.4
20%	Vmax	71.3	41.0	91.3	71.4	40.5	91.4	70.8	40.6	90.7	70.9	40.9	90.7	71.3	40.9	91.3
30%	Vmax	107.5	41.0	93.4	107.0	40.0	93.5	106.0	39.4	93.2	106.8	40.5	93.1	107.3	40.5	93.4
50%	Vmax	184.3	41.0	95.1	182.8	40.8	95.0	181.5	40.5	94.8	182.5	41.3	94.8	182.5	41.2	95.0
75%	Vmax	260.2	41.7	95.2	260.6	41.9	95.2	260.5	41.4	95.0	258.8	42.2	95.0	259.9	41.9	95.2
100%	Vmax	346.4	41.2	95.0	346.5	41.3	95.0	345.7	41.3	94.8	346.6	41.3	94.9	345.3	41.8	95.0

Specified		Sample # 0100011478			Sample # 0100011237			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	32.3	30.1	89.5	32.5	30.3	89.1									
20%	Vmin	73.8	30.4	94.1	73.0	30.7	93.8									
30%	Vmin	109.8	30.5	95.0	107.8	30.8	94.9									
50%	Vmin	190.3	30.9	95.5	189.1	31.0	95.4									
75%	Vmin	260.9	31.6	95.0	258.6	31.7	94.9									
100%	Vmin	313.5	32.2	94.5	311.1	32.3	94.4									
10%	Vnom	31.1	33.7	87.2	31.9	33.4	87.5									
20%	Vnom	73.2	34.2	93.1	72.8	34.2	93.0									
30%	Vnom	109.2	33.9	94.6	108.9	34.0	94.4									
50%	Vnom	174.2	33.8	95.5	173.6	33.6	95.3									
75%	Vnom	260.0	33.5	95.2	259.6	33.6	95.1									
100%	Vnom	341.5	33.3	94.6	341.5	33.2	94.5									
10%	Vmax	27.7	36.6	84.5	28.1	38.3	83.5									
20%	Vmax	71.3	40.8	91.3	71.1	41.0	91.0									
30%	Vmax	106.9	39.9	93.5	106.9	40.3	93.3									
50%	Vmax	182.5	41.1	95.0	182.4	40.9	94.9									
75%	Vmax	260.9	41.5	95.2	260.1	41.8	95.1									
100%	Vmax	346.5	41.2	95.0	346.5	41.3	94.9									