Manufacturer: Enecsys

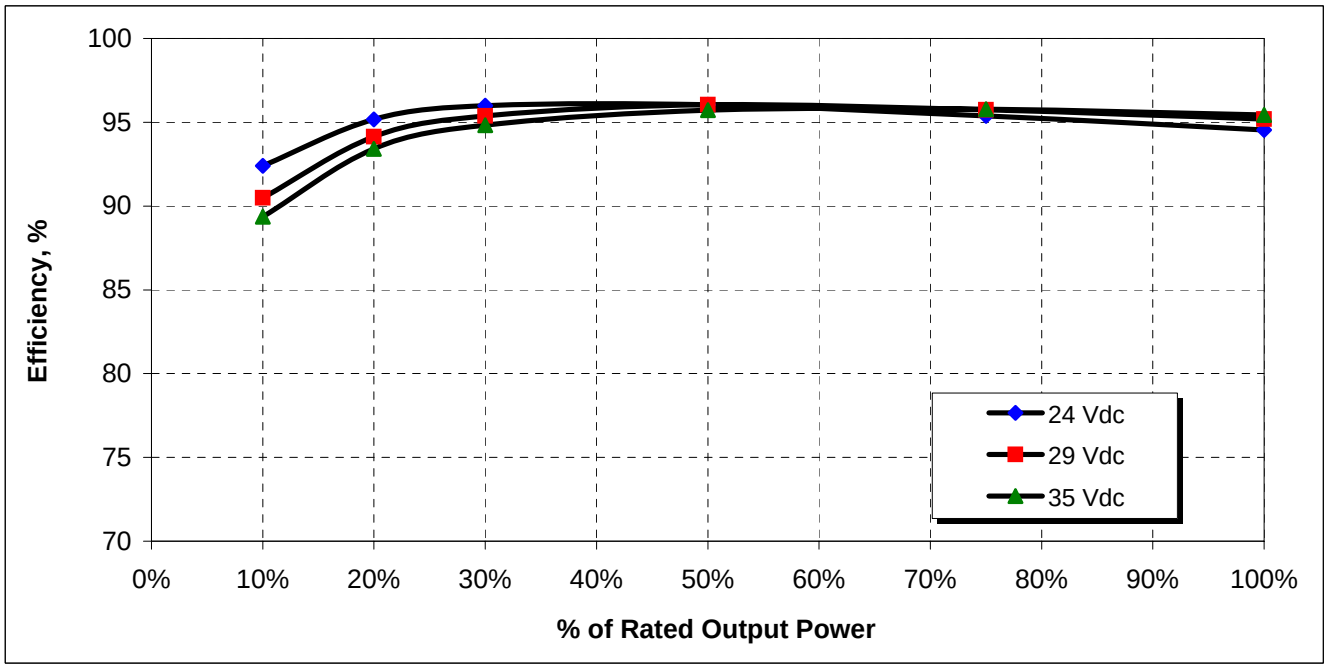
Model #: 250NL

Rated Maximum Continuous Output Power: 0.25 kW Night Tare Loss: 0.08 W

Vmin: 24 Vdc Vnom: 29 Vdc Vmax: 35 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.03	0.05	0.08	0.13	0.19	0.25	Wtd
Vmin	24	92.4	95.2	96.0	96.0	95.4	94.5	95.4
Vnom	29	90.5	94.1	95.4	96.0	95.7	95.2	95.4
Vmax	35	89.4	93.4	94.8	95.7	95.8	95.4	95.3

CEC Efficiency = 95.5%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #230000573			Sample #230000442			Sample #230000499			Sample #230000477			Sample #230000441		
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	24.5	24.1	92.3	24.5	24.1	92.4	24.6	24.0	92.5	24.3	24.3	92.7	24.3	24.3	92.5
20%	Vmin	50.8	24.3	95.1	51.0	24.1	95.3	51.0	24.1	95.2	50.5	24.3	94.9	50.8	24.2	95.2
30%	Vmin	77.0	23.7	95.9	77.2	24.1	96.0	77.2	23.6	96.0	77.3	24.0	96.0	77.0	24.1	96.0
50%	Vmin	128.3	23.9	96.1	128.5	23.7	96.1	128.3	23.9	96.1	128.1	23.9	96.1	128.6	23.3	96.0
75%	Vmin	189.5	23.7	95.4	189.4	23.8	95.4	189.7	23.7	95.4	189.2	23.8	95.4	189.0	23.8	95.4
100%	Vmin	247.3	23.5	94.6	246.3	23.7	94.6	246.8	23.7	94.6	246.1	23.7	94.5	246.0	23.7	94.6
10%	Vnom	23.9	29.4	90.7	23.8	29.5	90.3	23.9	29.5	90.6	22.8	30.3	90.3	22.8	30.3	90.1
20%	Vnom	49.5	29.7	94.3	49.7	29.6	94.1	49.6	29.7	94.0	50.0	29.3	94.3	49.2	29.8	93.9
30%	Vnom	76.5	29.2	95.4	76.8	29.0	95.4	76.4	29.3	95.4	76.0	29.4	95.3	76.2	29.4	95.4
50%	Vnom	129.4	28.4	96.1	129.1	28.7	96.0	129.3	28.7	96.0	129.2	28.7	96.0	129.2	28.5	96.0
75%	Vnom	192.3	28.5	95.8	192.0	28.7	95.8	192.1	28.7	95.8	191.9	28.7	95.7	191.7	28.8	95.7
100%	Vnom	253.5	28.4	95.2	253.4	28.4	95.2	253.6	28.4	95.2	253.2	28.4	95.2	253.0	28.5	95.2
10%	Vmax	23.8	33.4	89.4	23.8	33.5	89.2	23.8	33.7	89.3	23.7	33.4	89.4	23.5	33.8	88.9
20%	Vmax	49.9	34.4	93.4	50.1	34.4	93.4	50.2	34.6	93.5	50.0	34.5	93.4	50.1	34.6	93.3
30%	Vmax	76.4	33.8	94.9	75.9	34.7	94.7	76.4	34.3	94.9	76.4	34.7	94.8	76.5	34.4	94.8
50%	Vmax	129.0	34.3	95.8	127.6	35.1	95.7	128.9	34.8	95.7	128.8	34.8	95.7	128.9	34.6	95.7
75%	Vmax	189.4	35.5	96.0	192.8	34.8	95.7	192.9	34.9	95.8	192.8	34.8	95.7	192.1	35.1	95.7
100%	Vmax	255.1	34.9	95.5	254.6	34.9	95.5	254.7	35.0	95.5	254.6	34.9	95.4	254.6	34.9	95.4

Specified		Sample #230000512			Sample #230000562			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	24.4	24.1	92.4	24.3	24.2	92.0									
20%	Vmin	50.8	24.2	95.3	50.4	24.4	95.1									
30%	Vmin	77.1	24.1	96.0	77.4	23.5	95.9									
50%	Vmin	128.6	23.5	96.0	128.1	23.8	96.0									
75%	Vmin	189.4	23.7	95.3	189.6	23.6	95.3									
100%	Vmin	246.5	23.6	94.5	246.4	23.7	94.5									
10%	Vnom	23.9	29.4	90.5	23.9	29.5	90.8									
20%	Vnom	49.3	29.8	94.1	50.1	29.1	94.2									
30%	Vnom	76.1	29.4	95.4	75.9	29.5	95.4									
50%	Vnom	129.2	28.7	96.0	129.1	28.8	96.0									
75%	Vnom	191.9	28.7	95.7	191.8	28.7	95.7									
100%	Vnom	253.0	28.5	95.2	253.3	28.2	95.1									
10%	Vmax	23.9	33.5	89.4	23.9	33.6	89.9									
20%	Vmax	50.1	34.6	93.5	49.9	34.4	93.4									
30%	Vmax	76.4	34.7	94.9	76.3	35.0	94.8									
50%	Vmax	128.7	34.9	95.7	128.9	34.6	95.7									
75%	Vmax	192.6	34.9	95.8	192.1	35.1	95.7									
100%	Vmax	254.0	35.1	95.5	254.7	34.9	95.4									